

**Fig. 2**

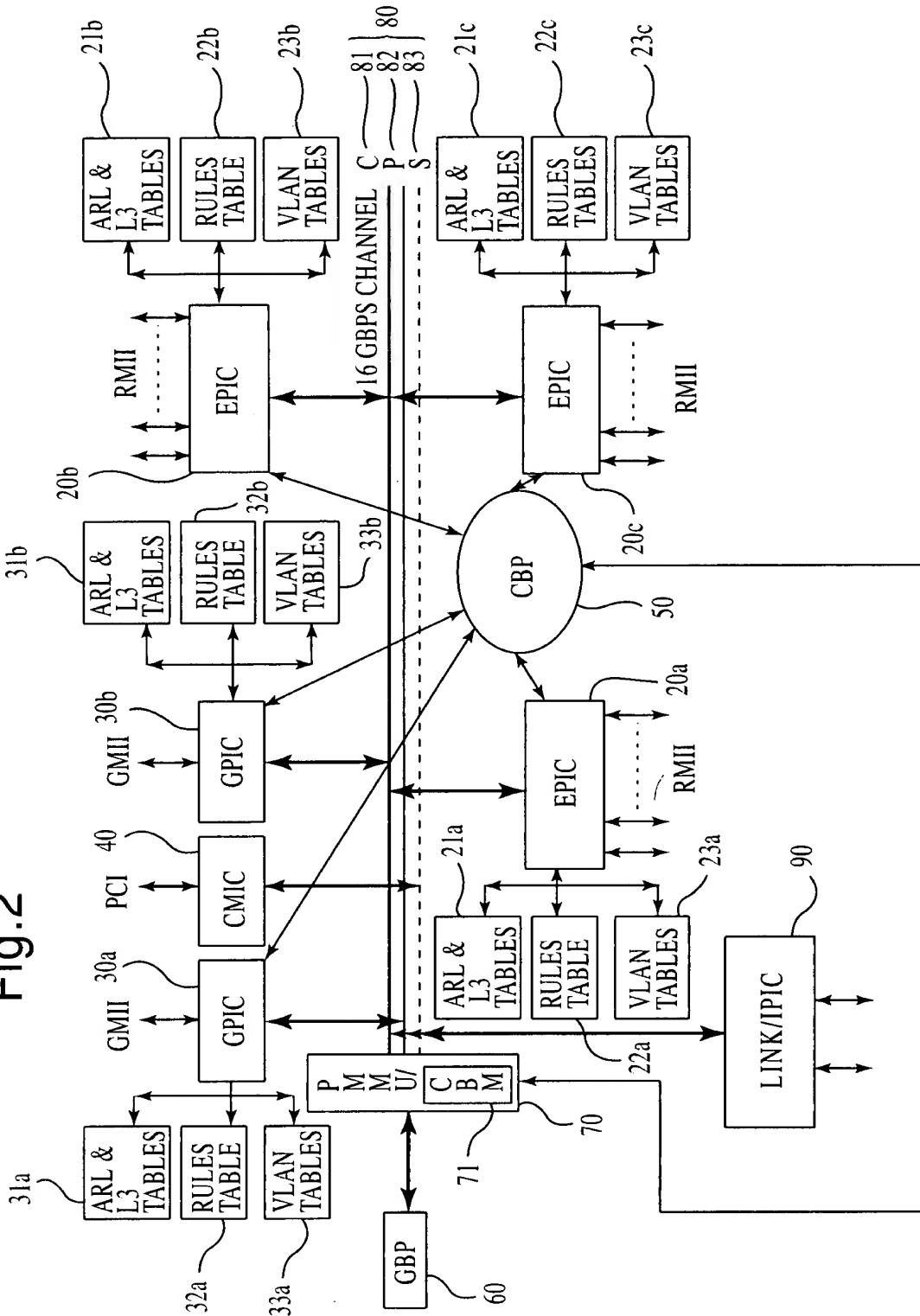
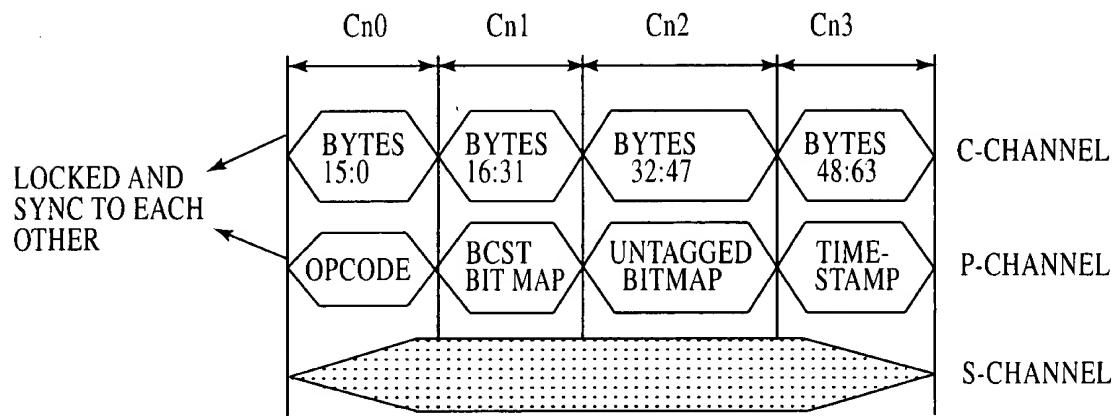




Fig.3



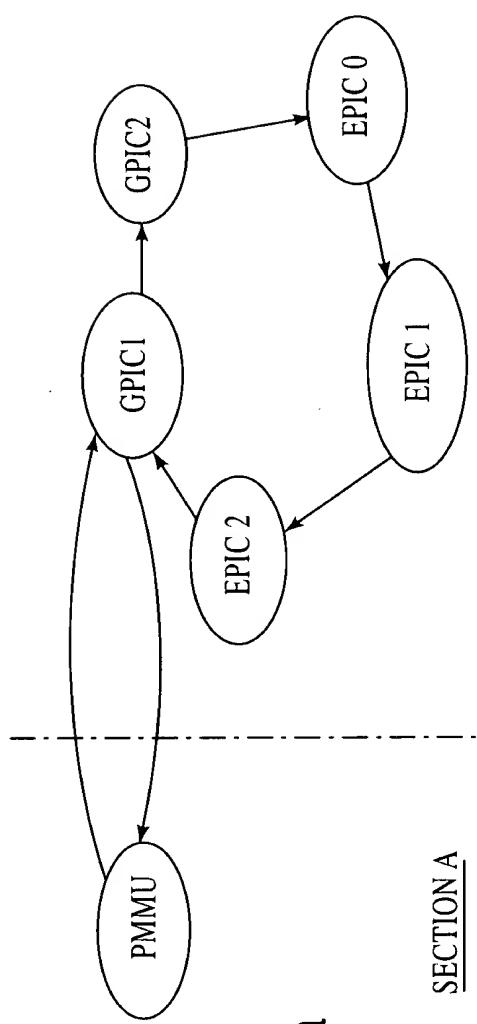


Fig. 4a

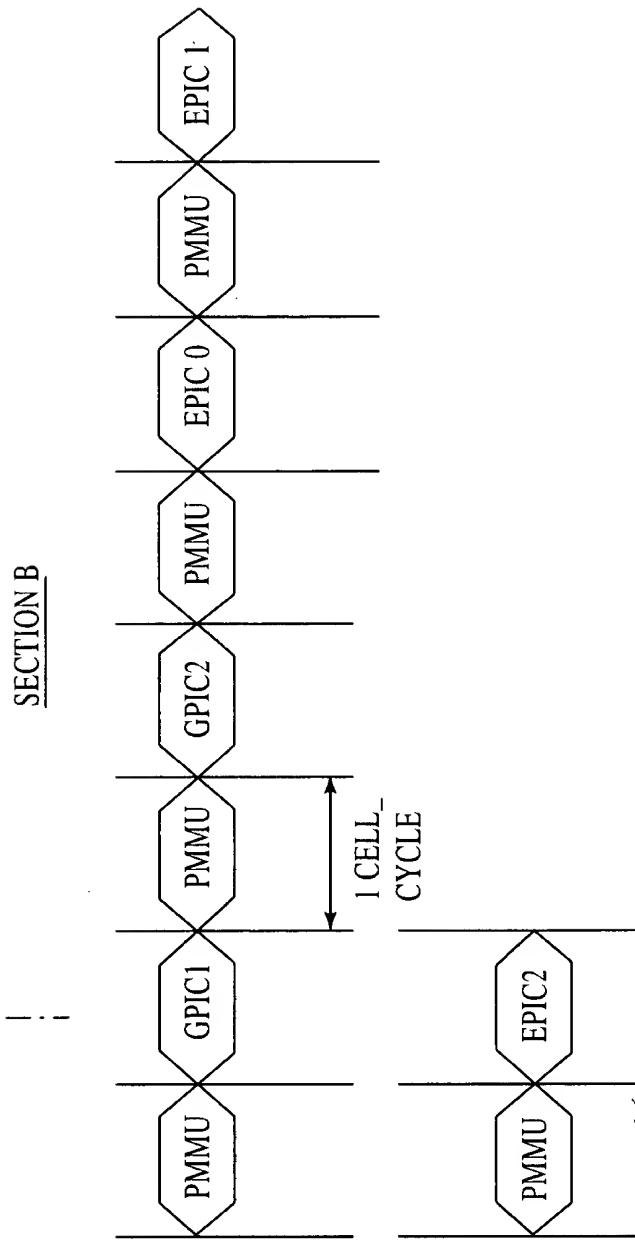


Fig. 4b



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**Fig.5**

PROTOCOL CHANNEL MESSAGES

CPU OPCODES								TIME STAMP							
30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0
OP CODE	I	RESERVED	NXT CELL	SRC DEST PORT	COS	J	S	E	CR C	P	O	LEN			
30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0
RESERVED	BC/MC PORTBITMAP														
30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0
U RES	UNTAGGED PORTBITMAP/SRC PORT NUMBER (BIT0..5)														
30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0



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Fig.6

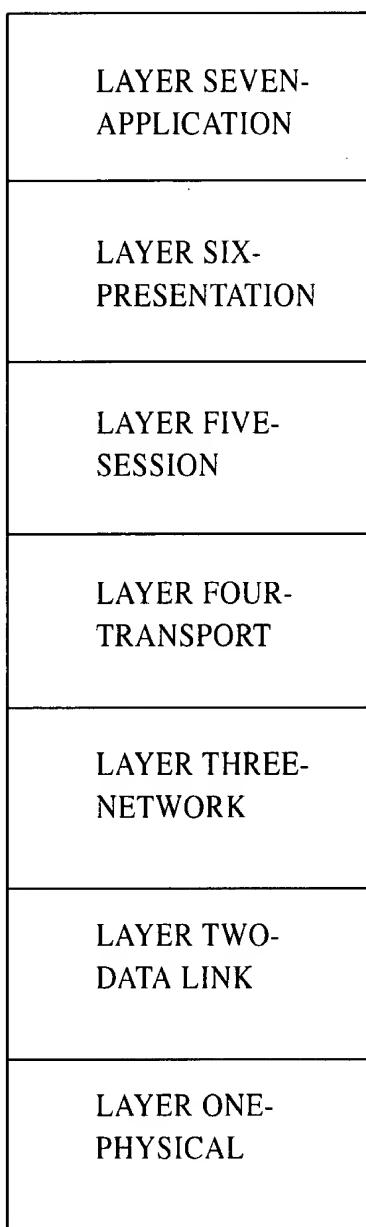
## SIDE BAND CHANNEL MESSAGES

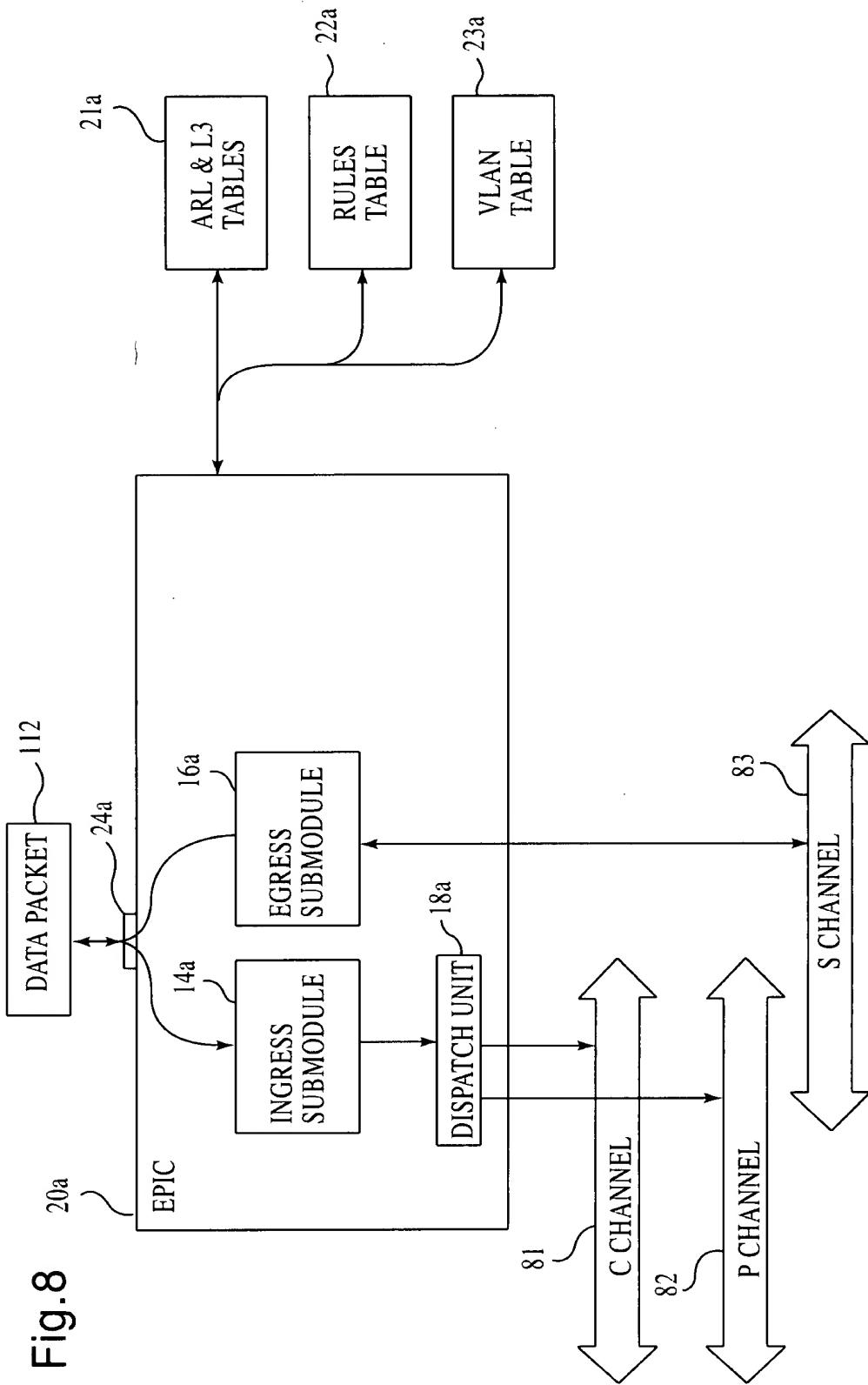


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**Fig.7**  
**PRIOR ART**





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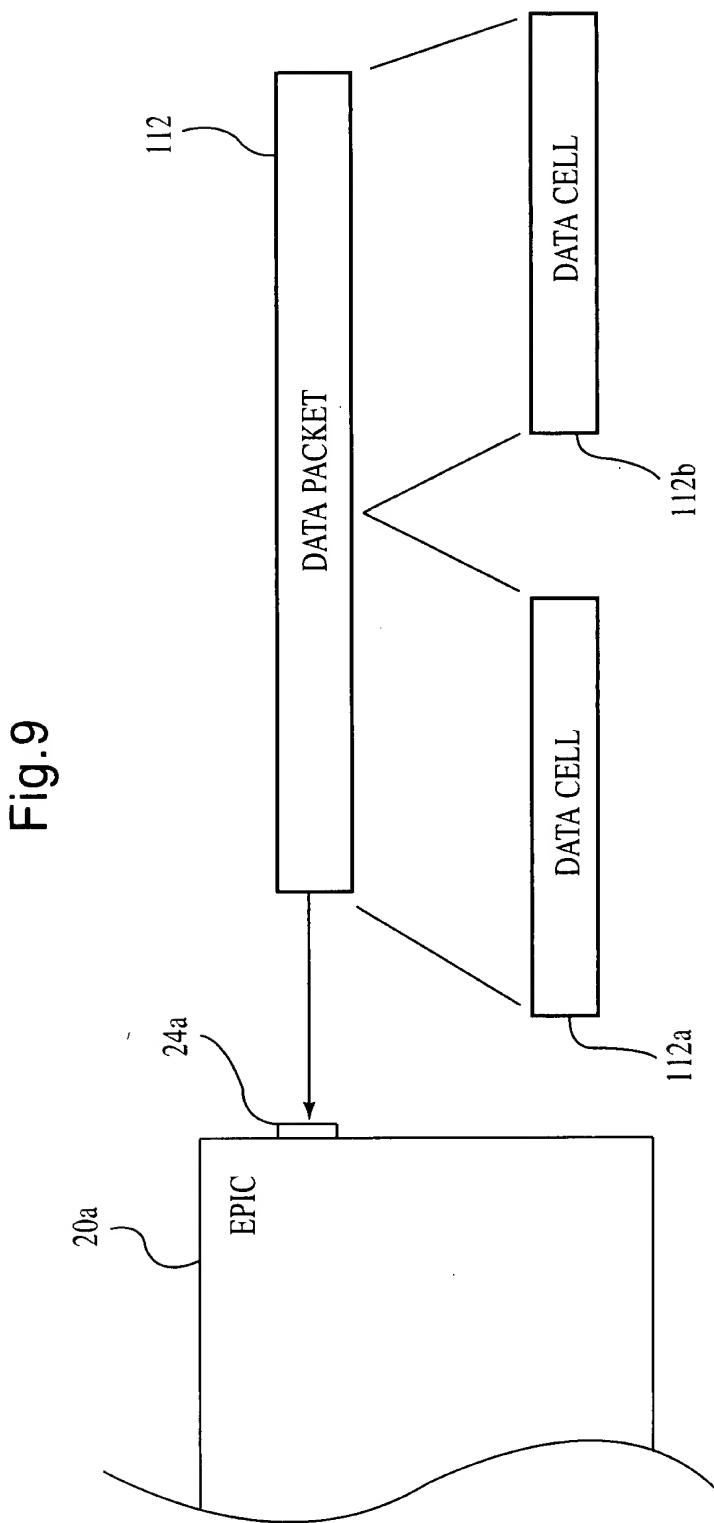




Fig. 10

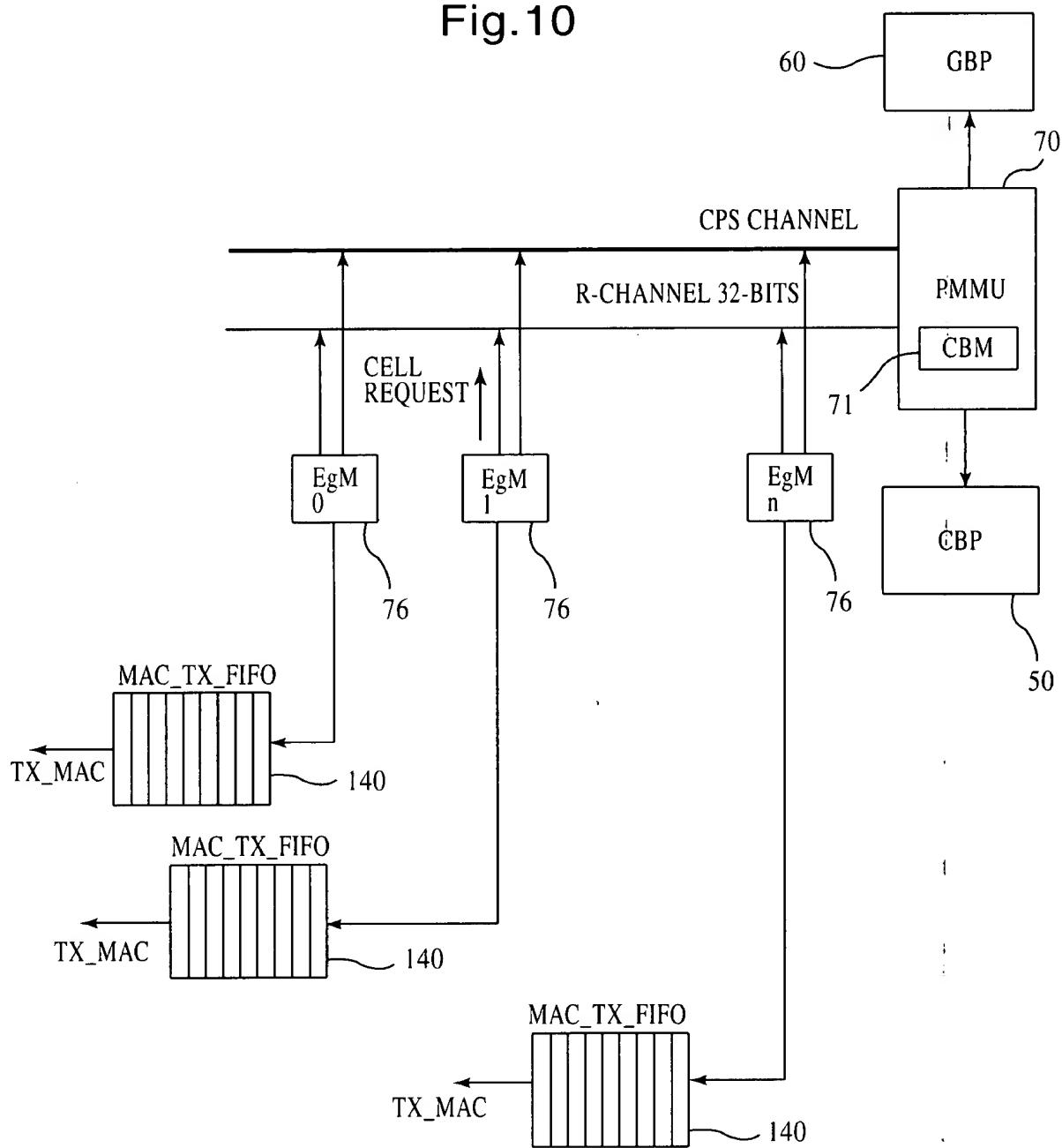




Fig. 11

LINE 0 →	FC   LC   BC/MC   Cpy_cnt (5b)   Cell_length (7b)   CRC (2b)   NC_header (16b)   Src_Count (6)   IP     Time_Stamp (14b)   O bits (2b)   P   NextCellLen(2b)   CpuOpcode(4b)   Cell_data (0-9B)
LINE 1 →	Cell_data (10-27) Bytes
LINE 2 →	Cell_data (28-45) Bytes
LINE 3 →	Cell_data (46-63) Bytes

Fig.12

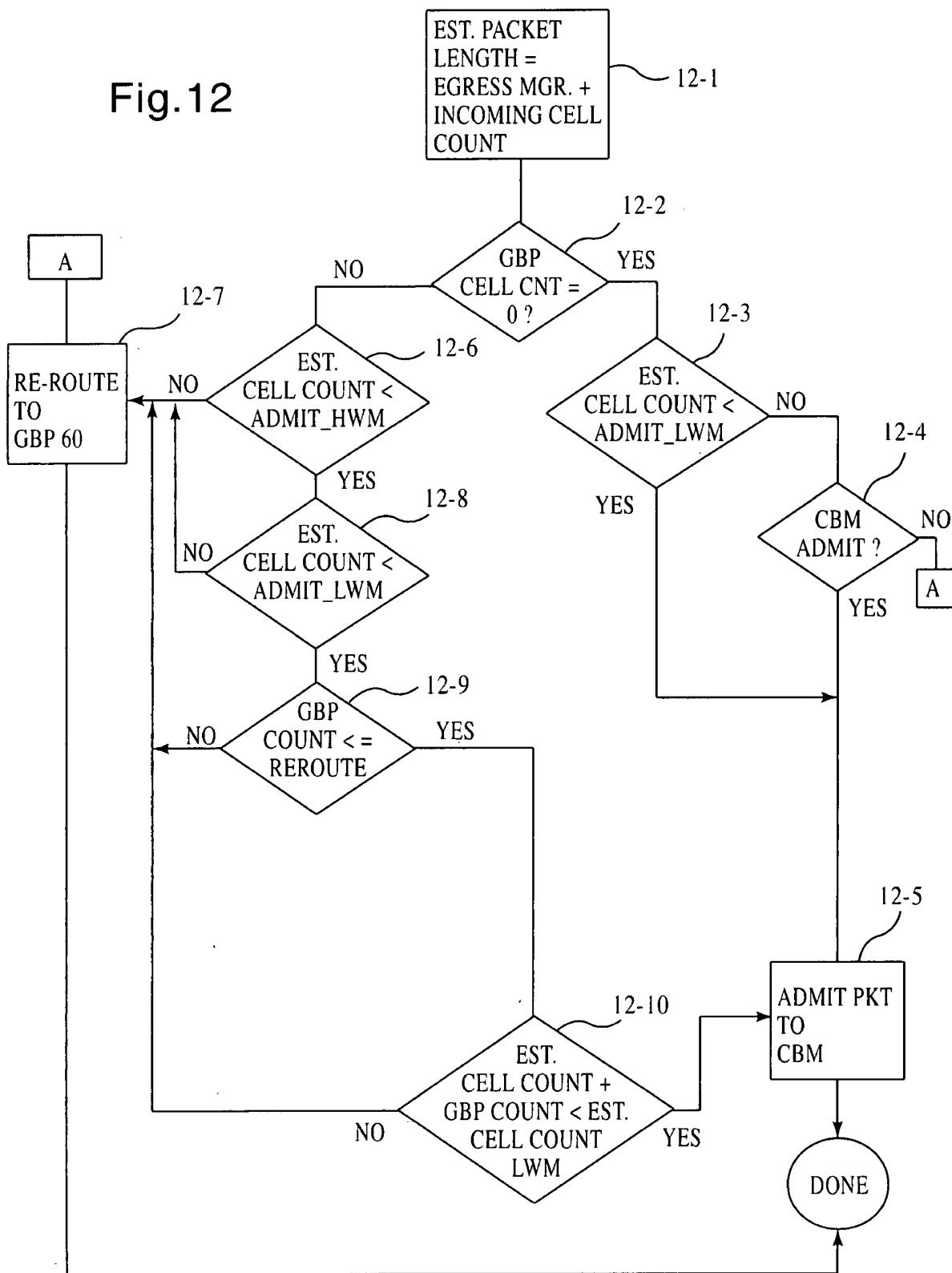
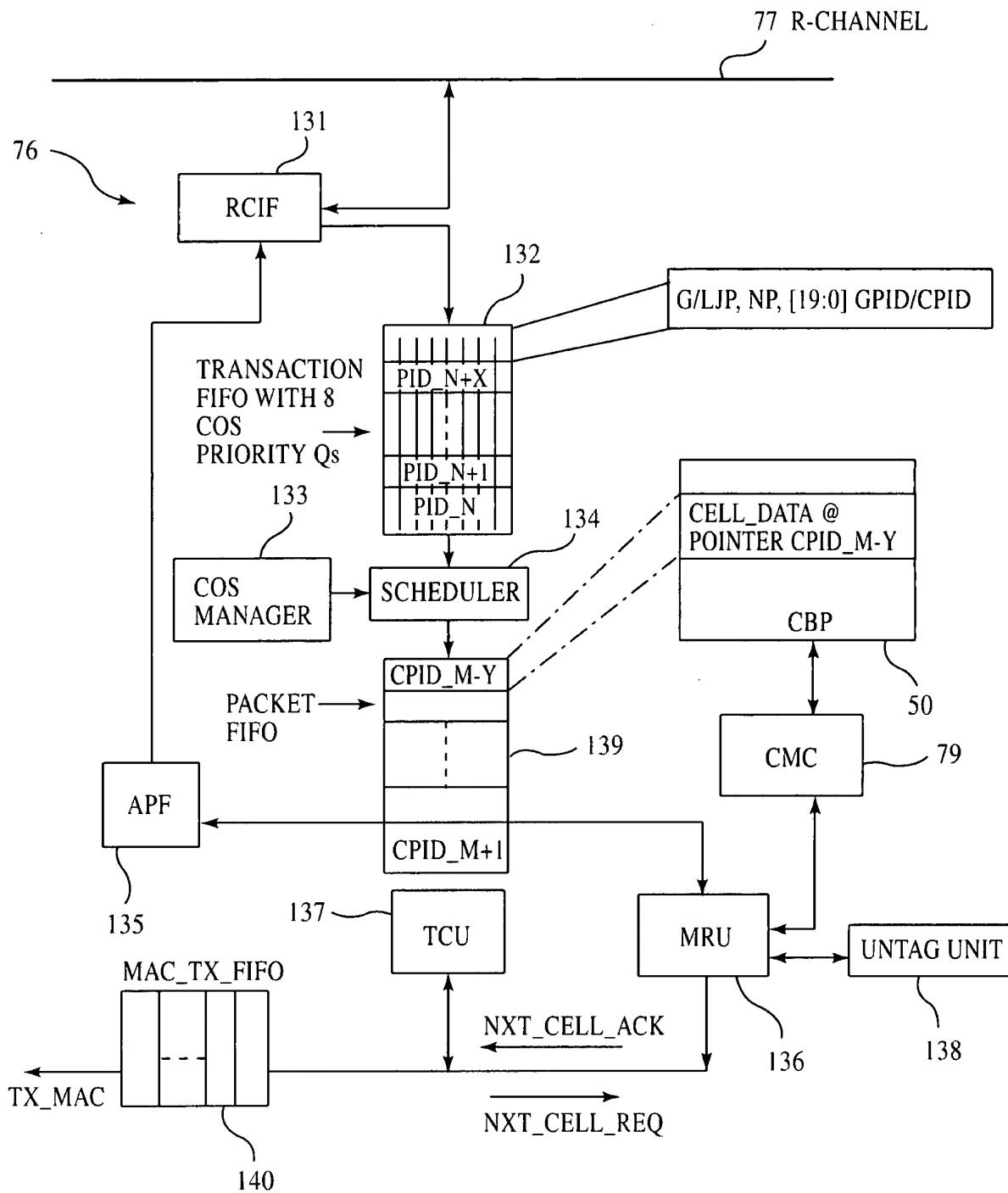




Fig. 13



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Fig.14

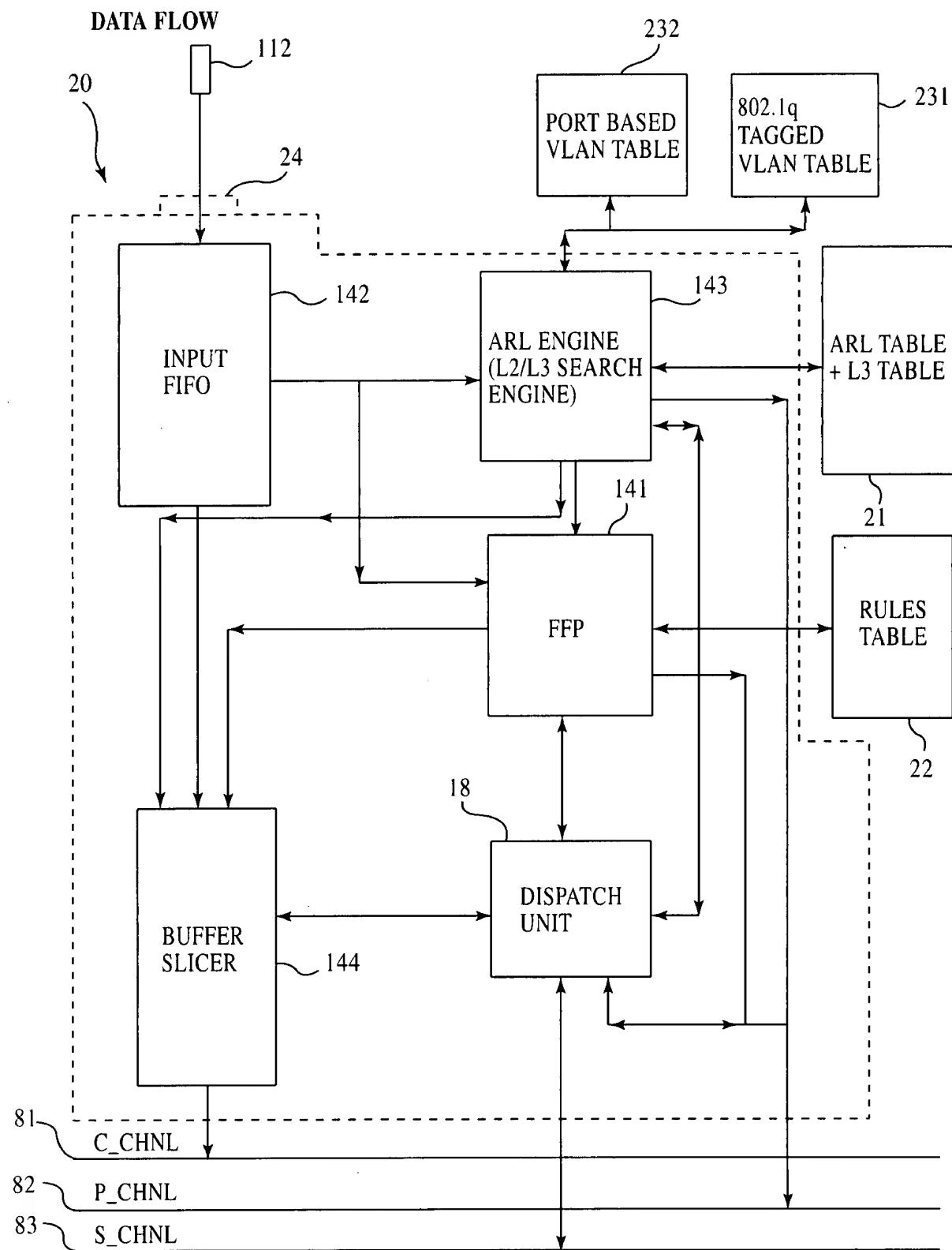




Fig.15

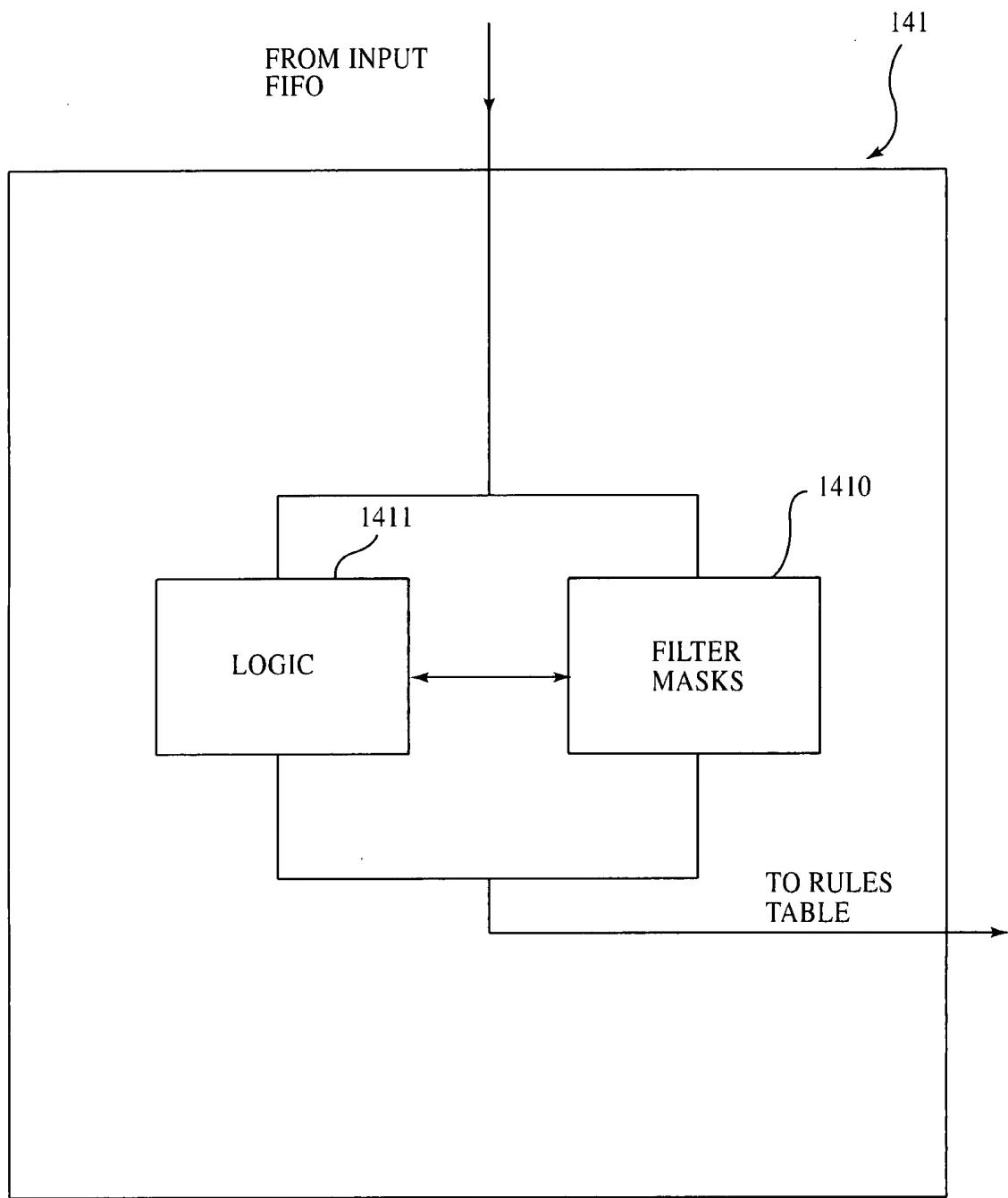
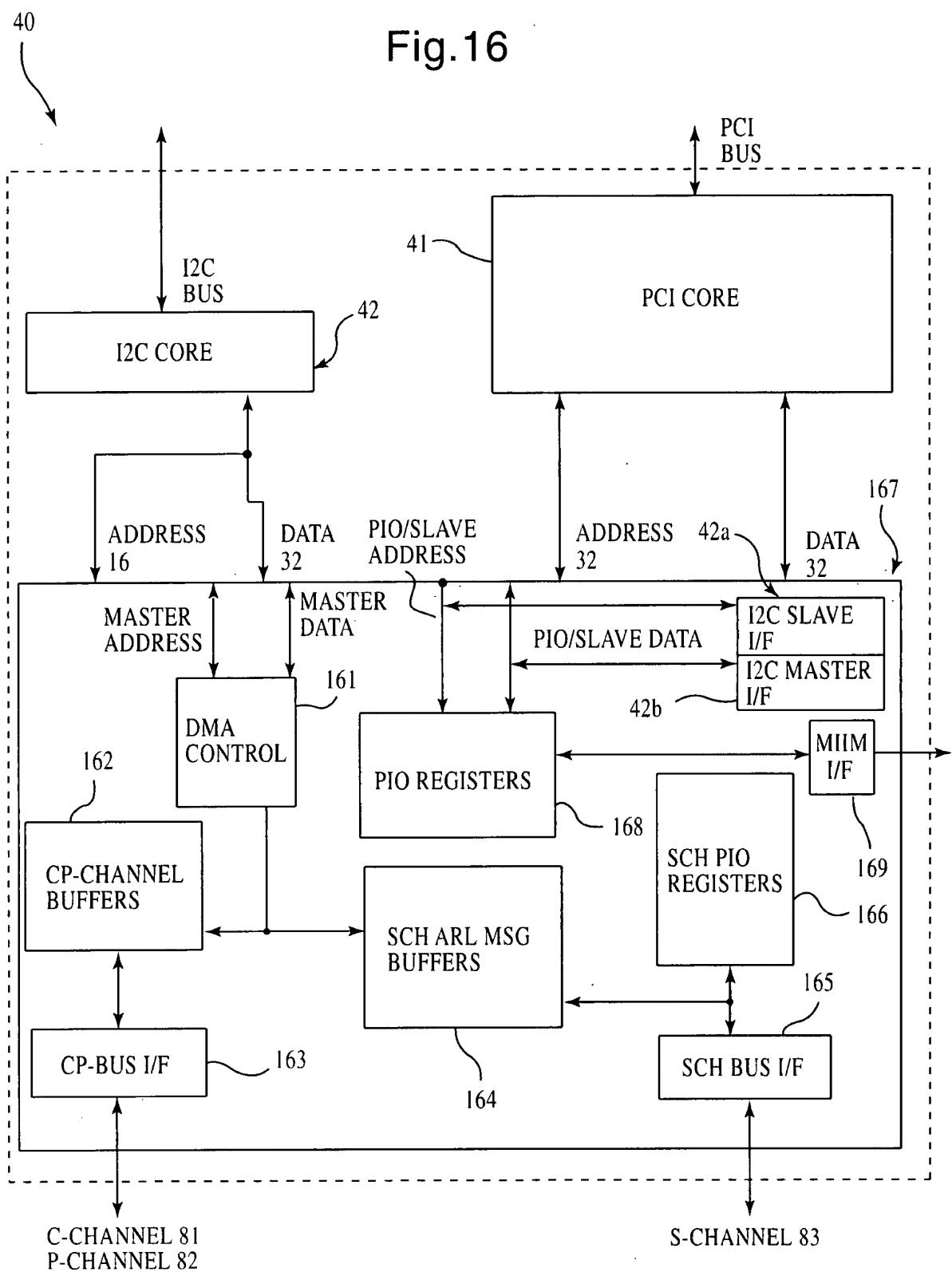


Fig.16

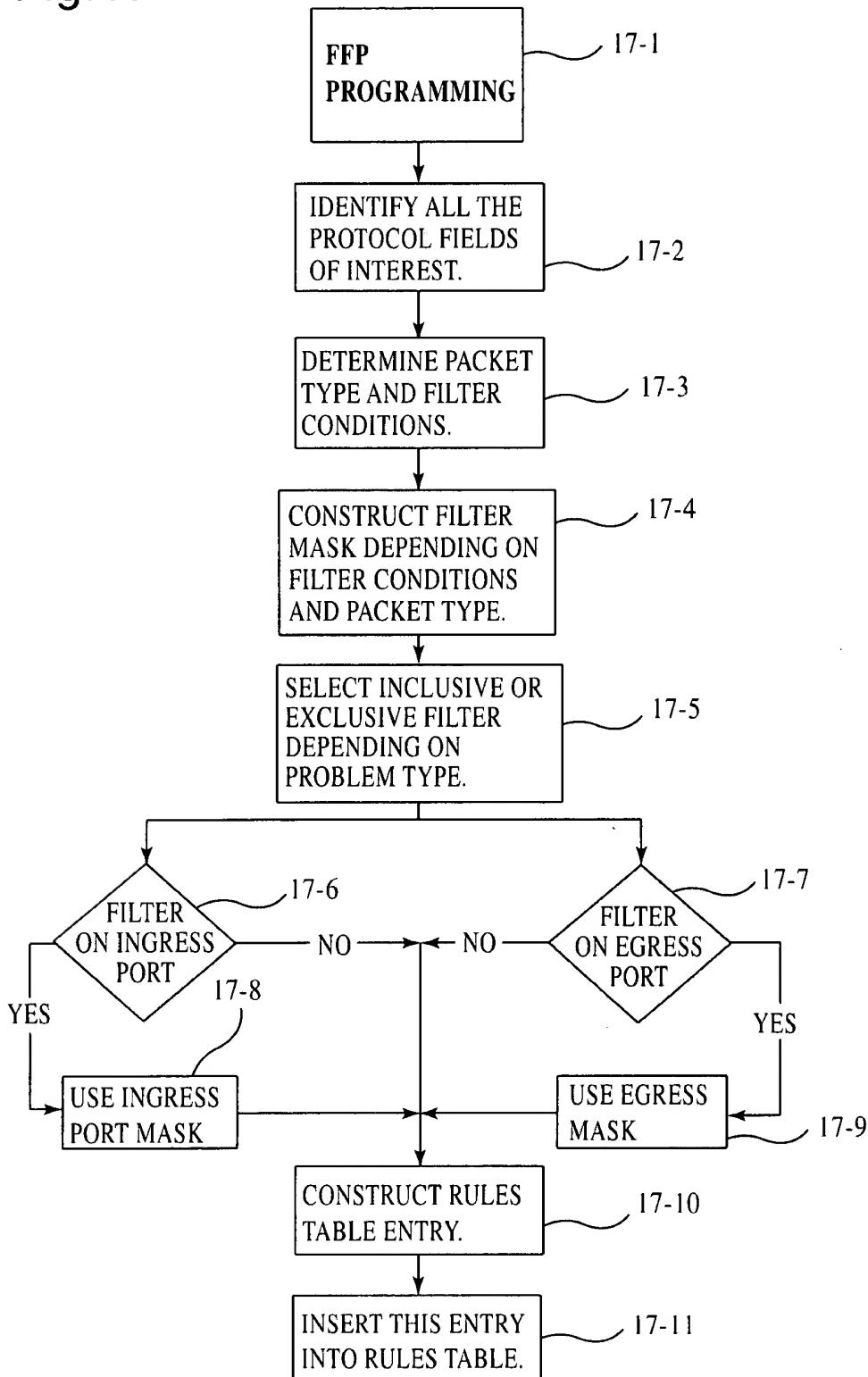


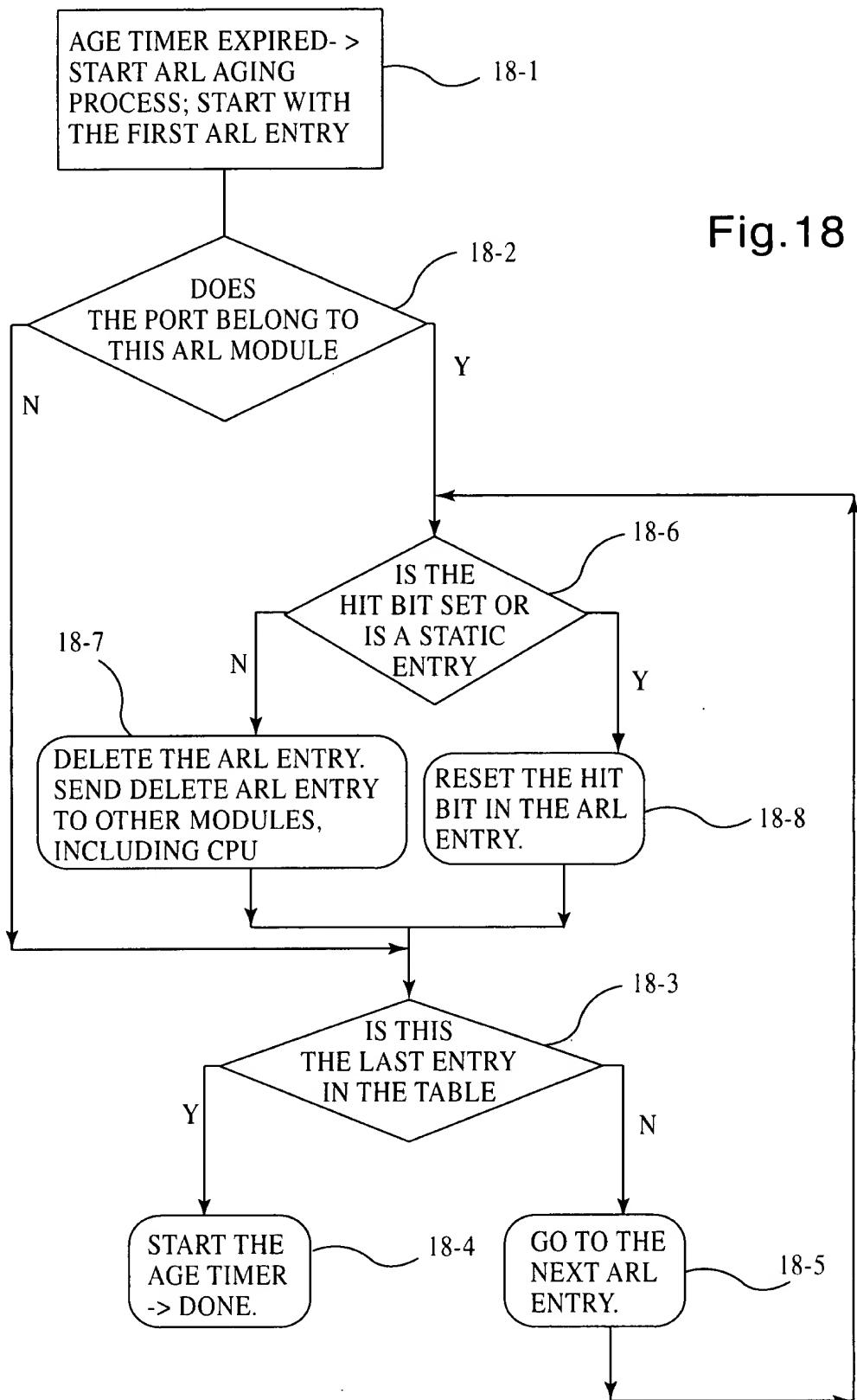


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**Fig. 17**

**FFP PROGRAMMING FLOW CHART**







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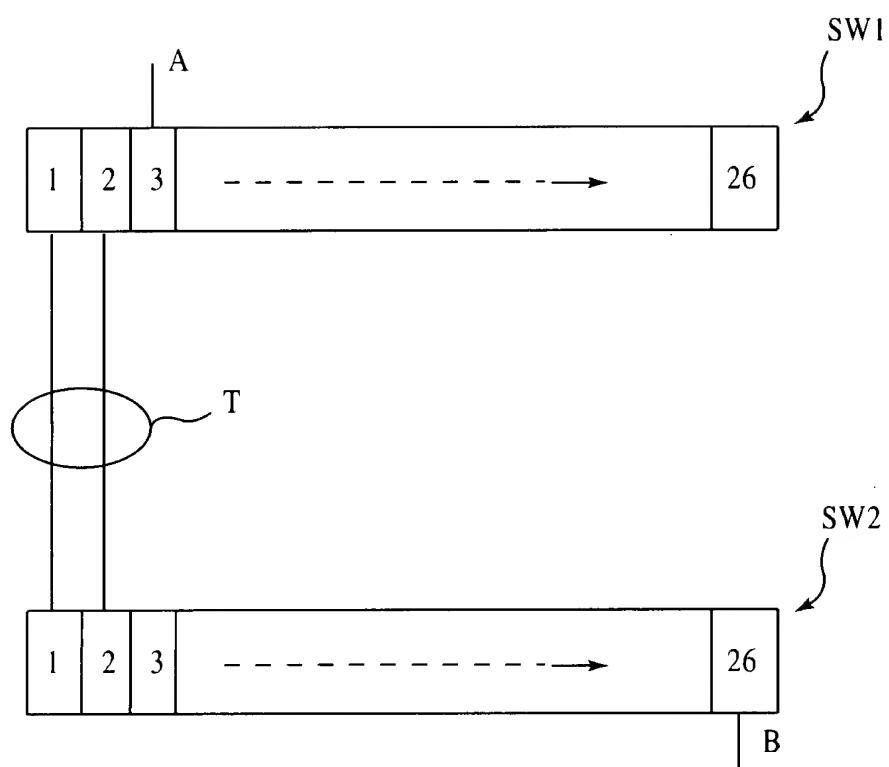


Fig.19

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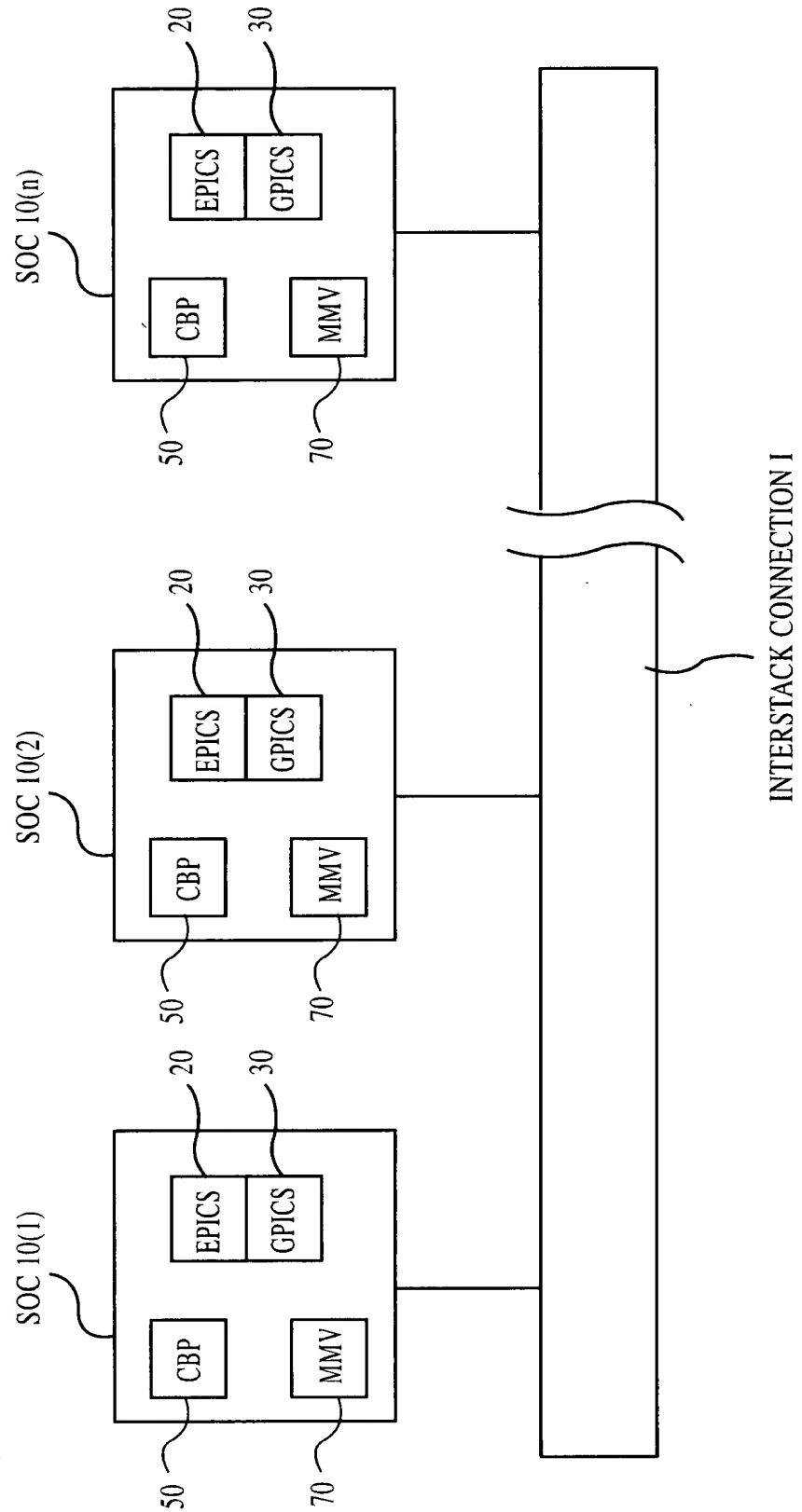


Fig.20

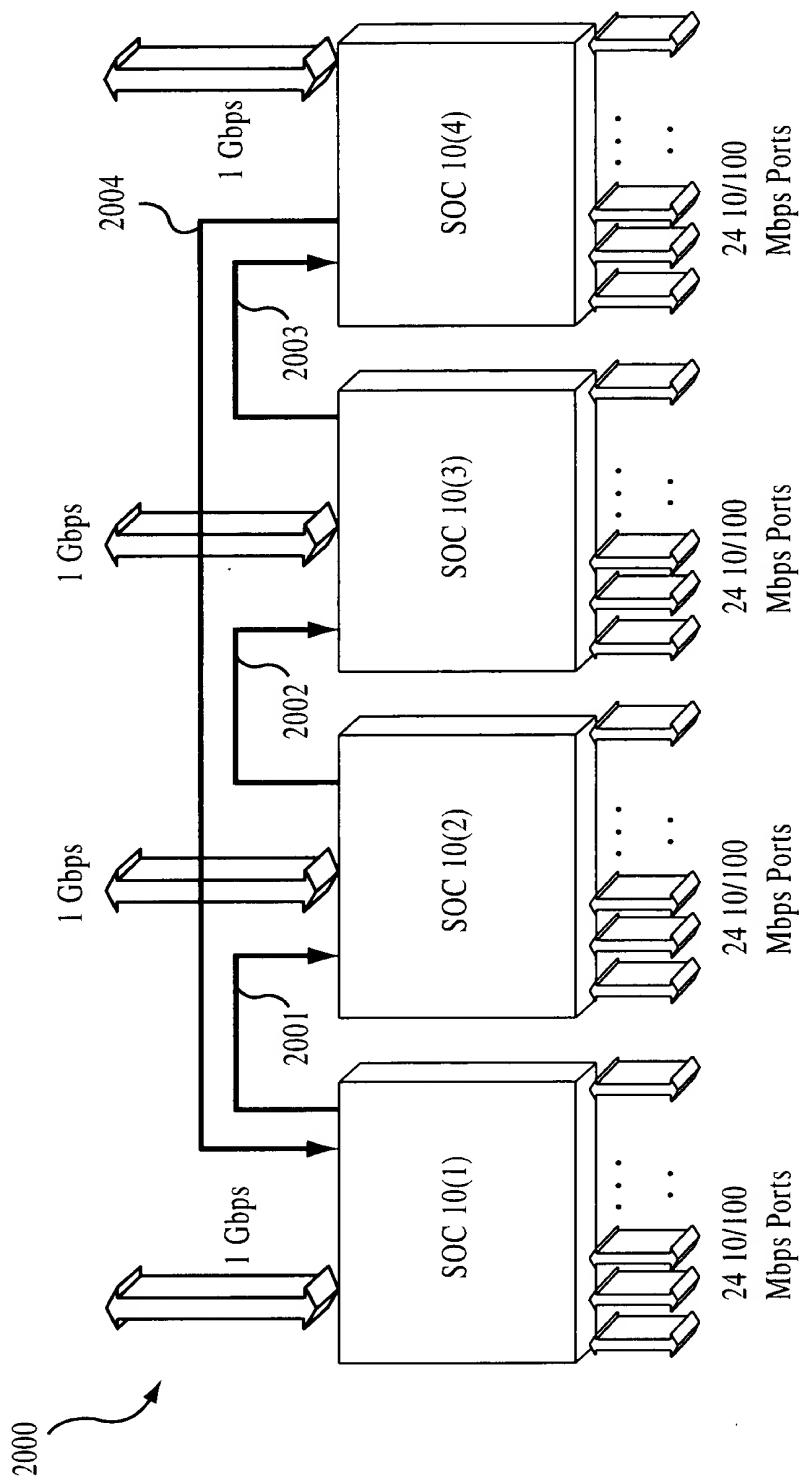


Fig.21

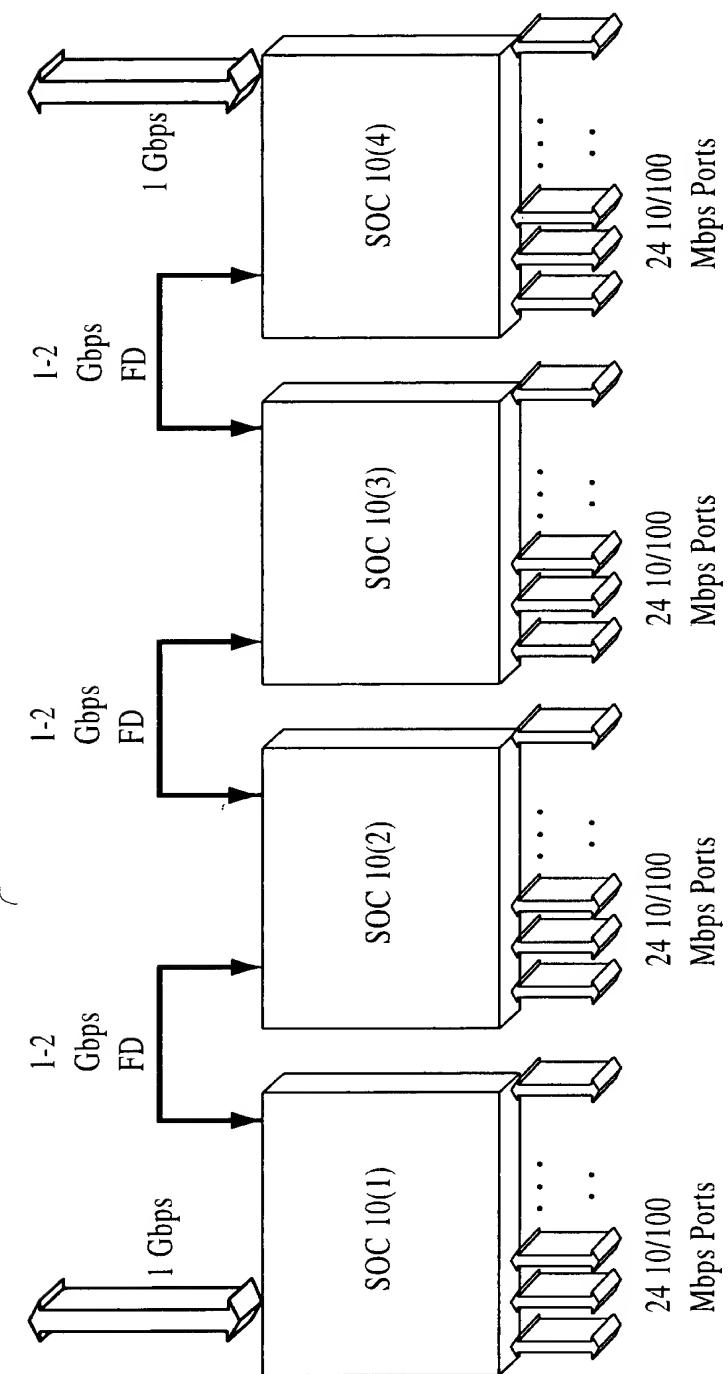


Fig.22

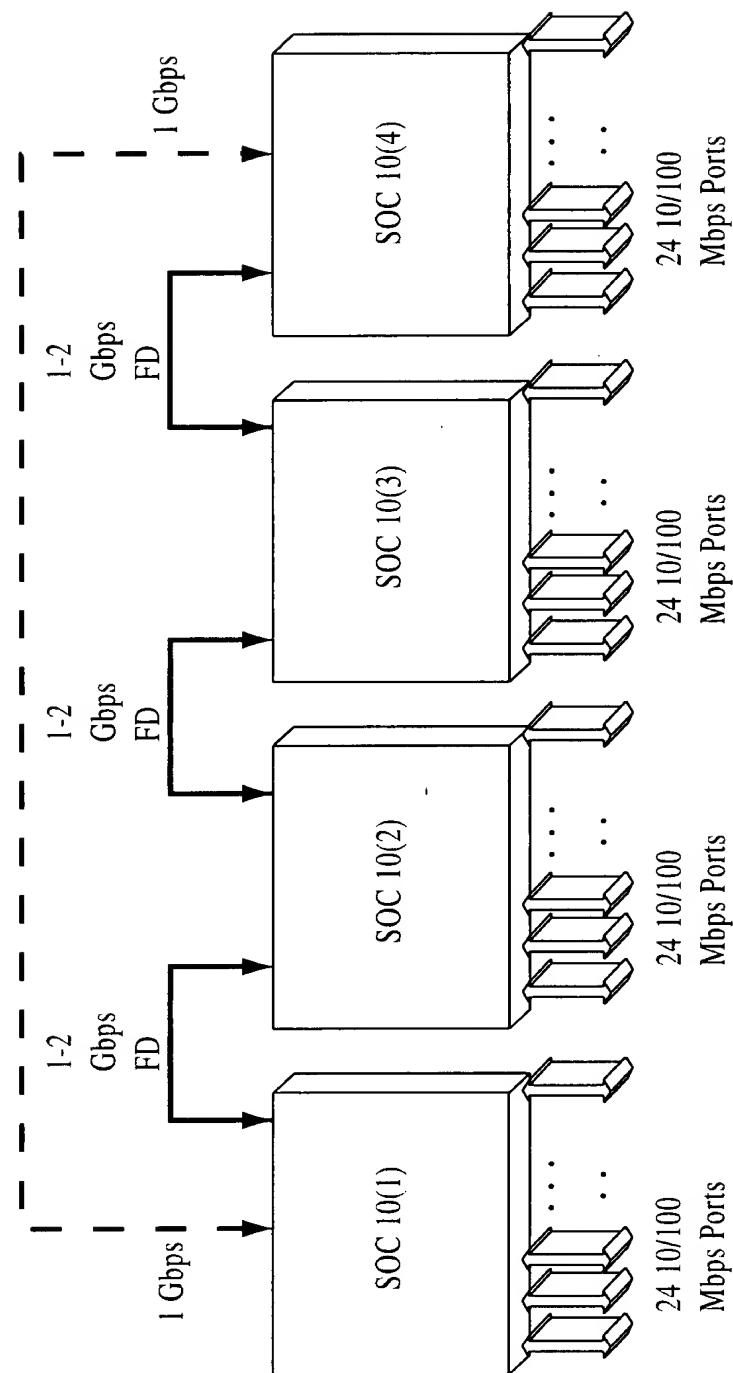


Fig.23



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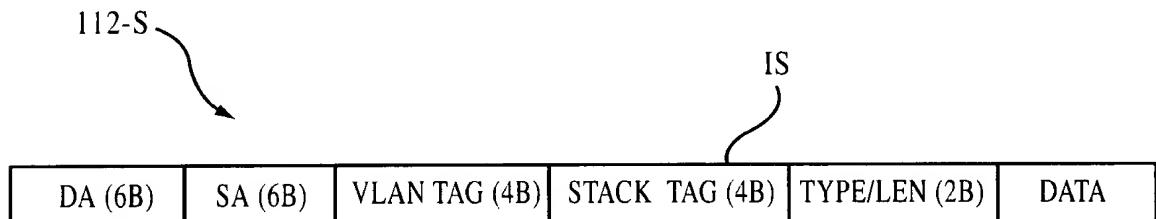


Fig.24A

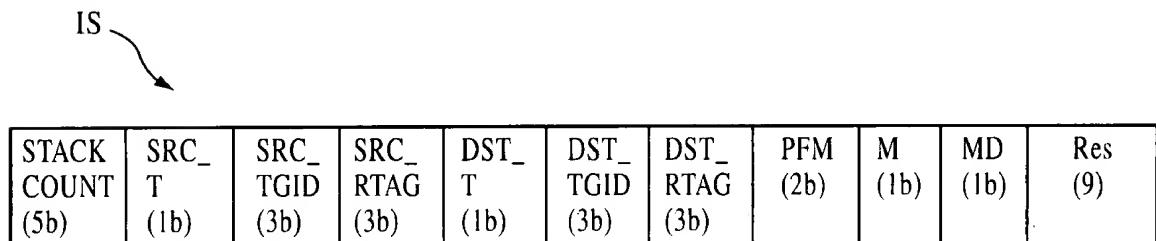


Fig.24B

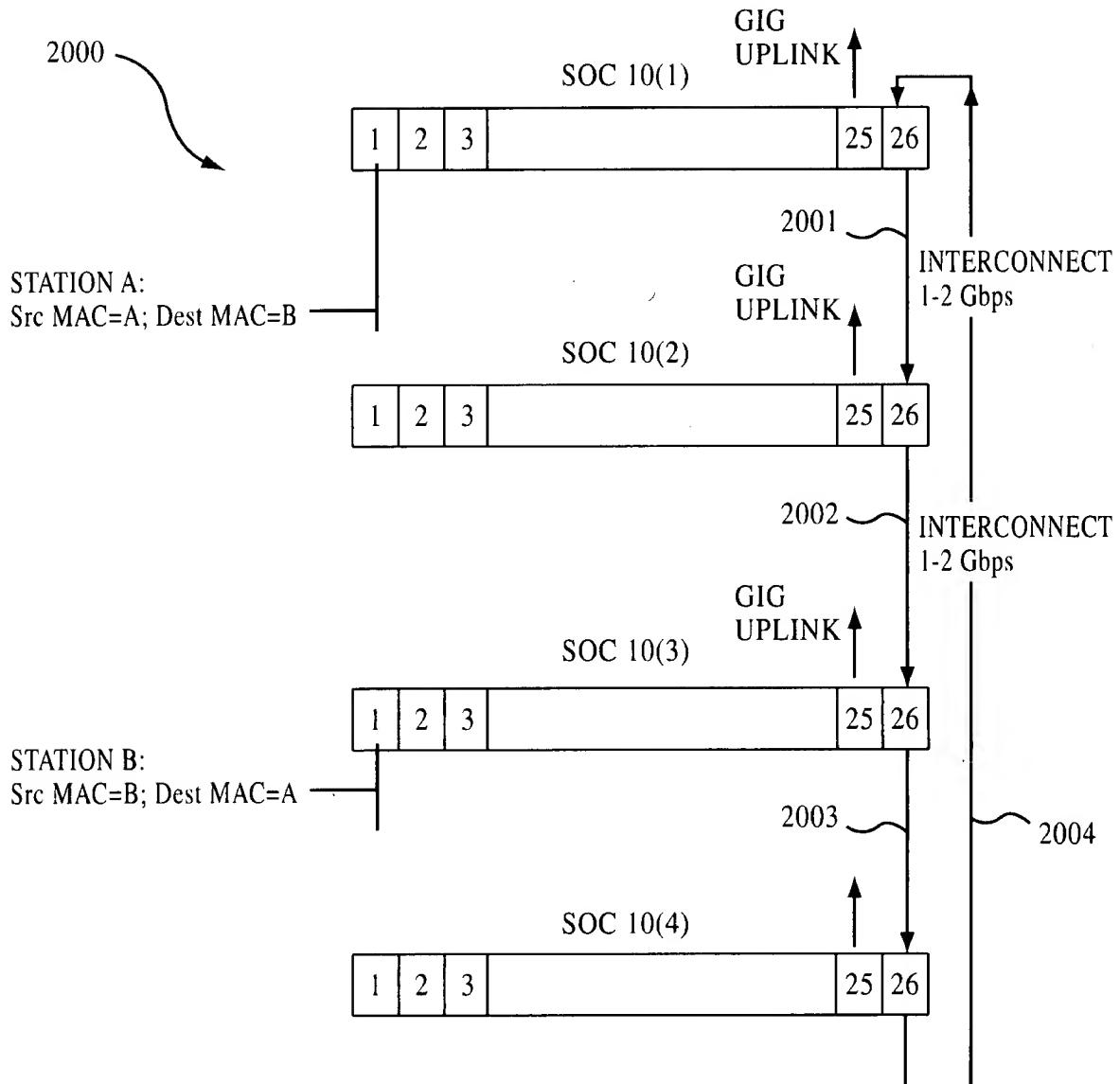


Fig.25

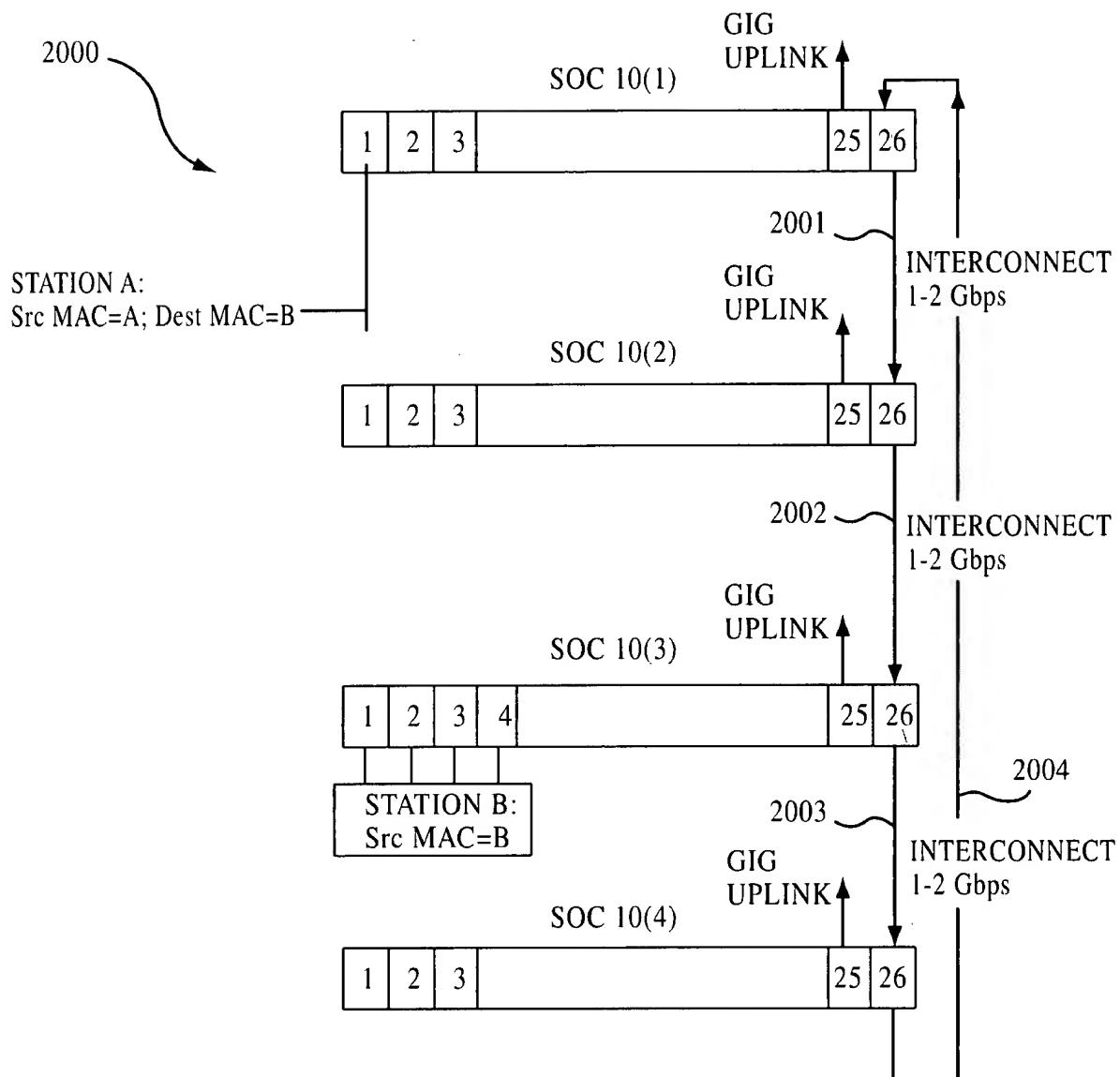


Fig.26



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Fig.27A

Port Number	Mac Address	Vlan ID	T	TGID	RTAG
1	A	1	0	X	X
26	B	1	1	2	2

Fig.27B

Port Number	Mac Address	Vlan ID	T	TGID	RTAG
26	A	1	0	X	X
26	B	1	1	2	2

Fig.27C

Port Number	Mac Address	Vlan ID	T	TGID	RTAG
26	A	1	0	X	X
1	B	1	1	2	2

Fig.27D

Port Number	Mac Address	Vlan ID	T	TGID	RTAG
26	A	1	0	X	X
26	B	1	1	2	2

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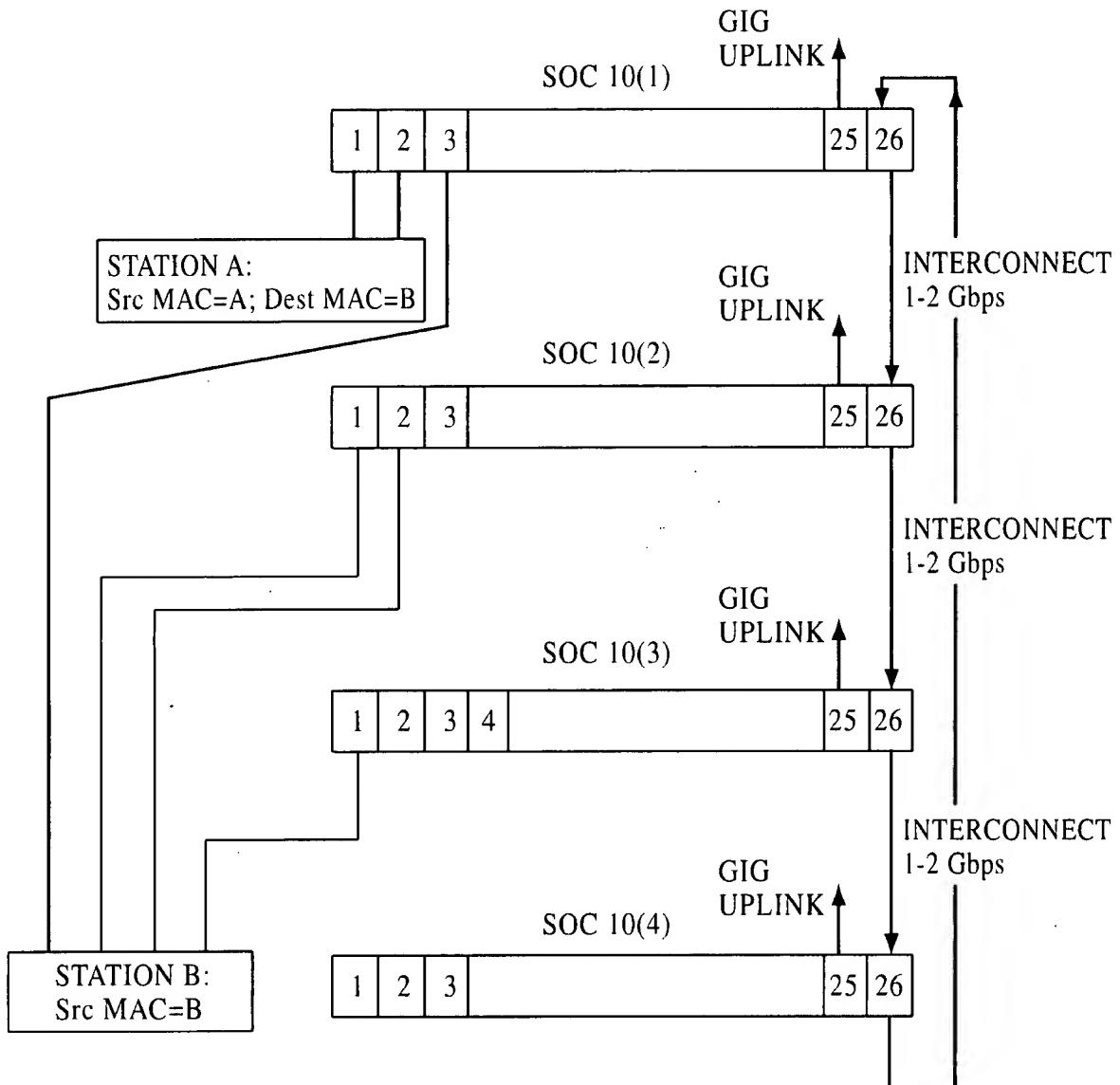
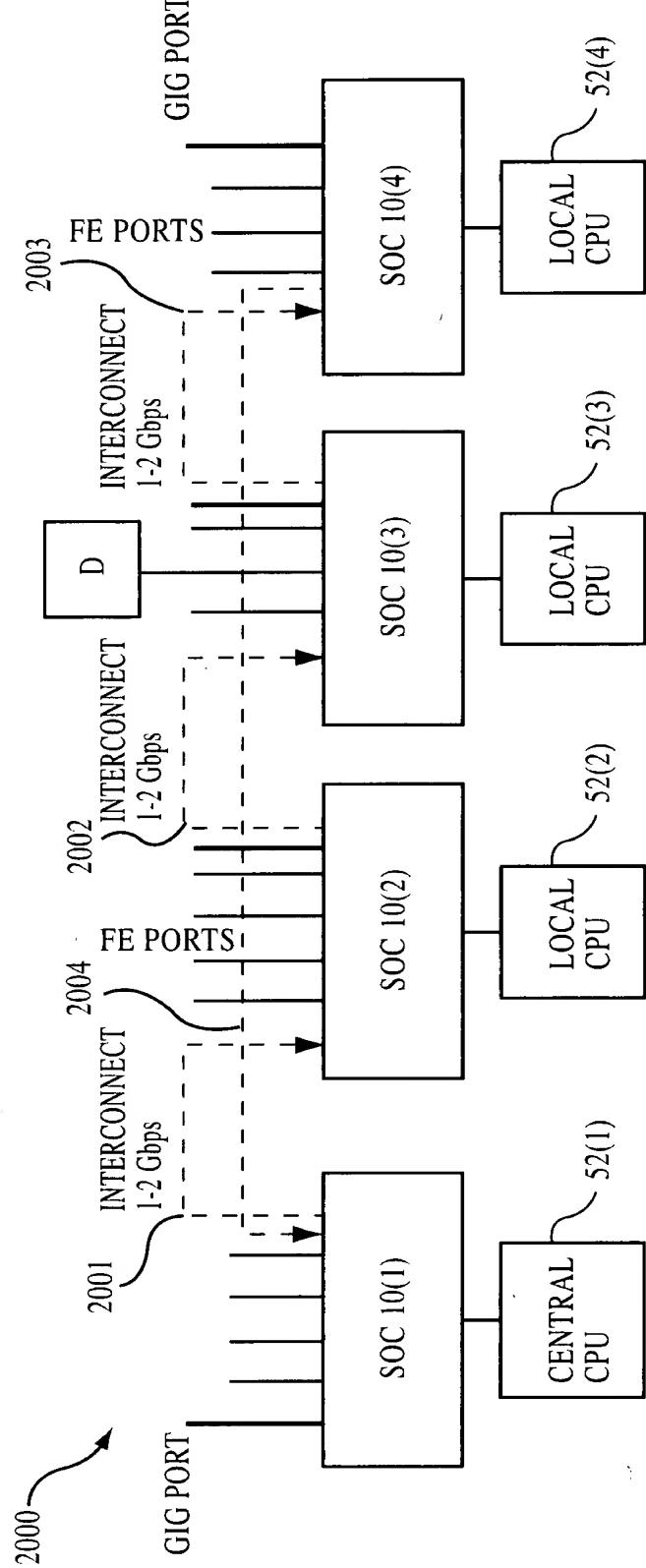


Fig.28

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Fig.29



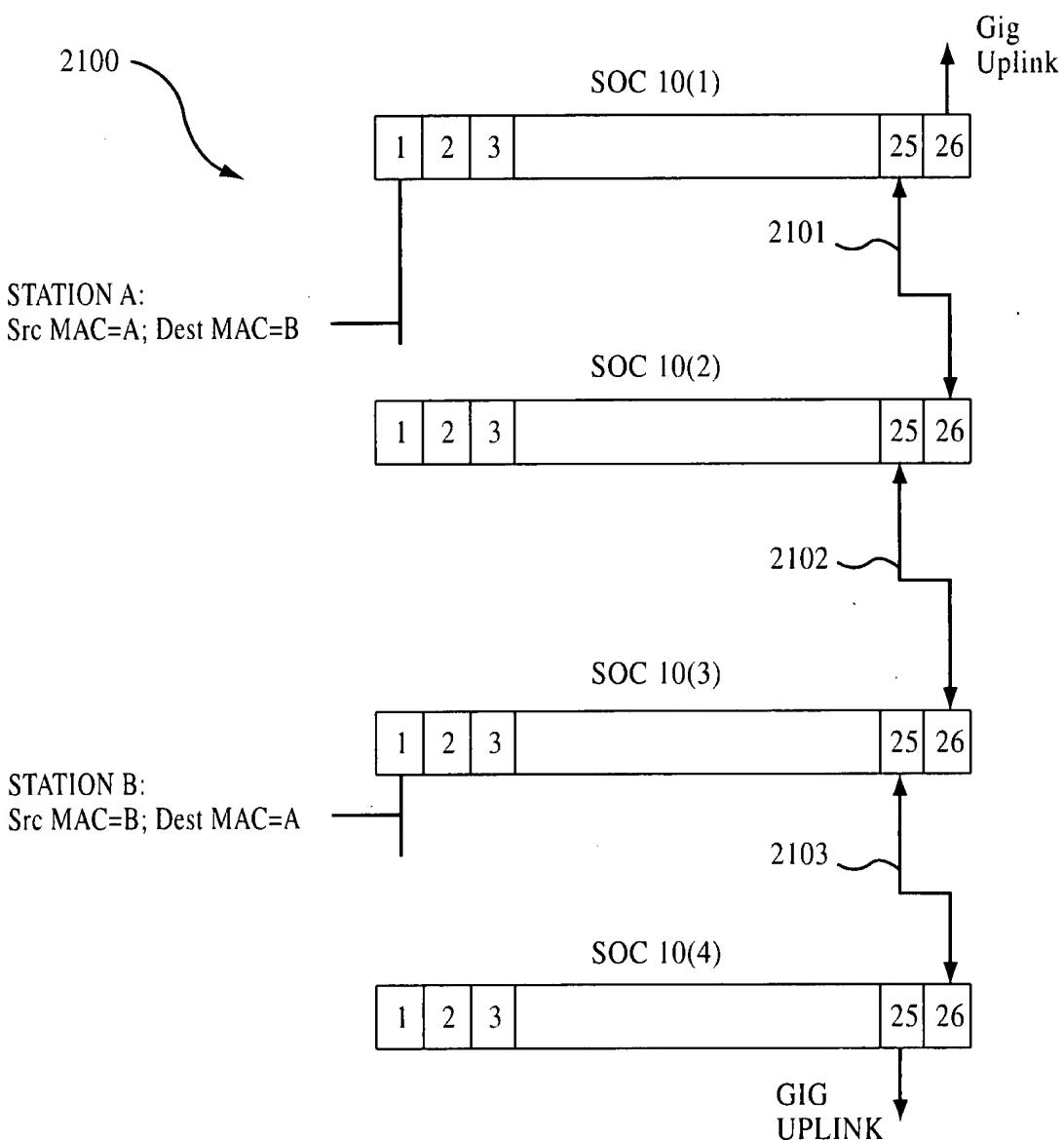
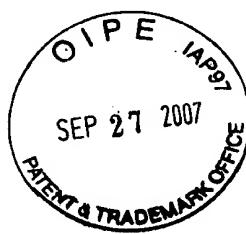


Fig.30



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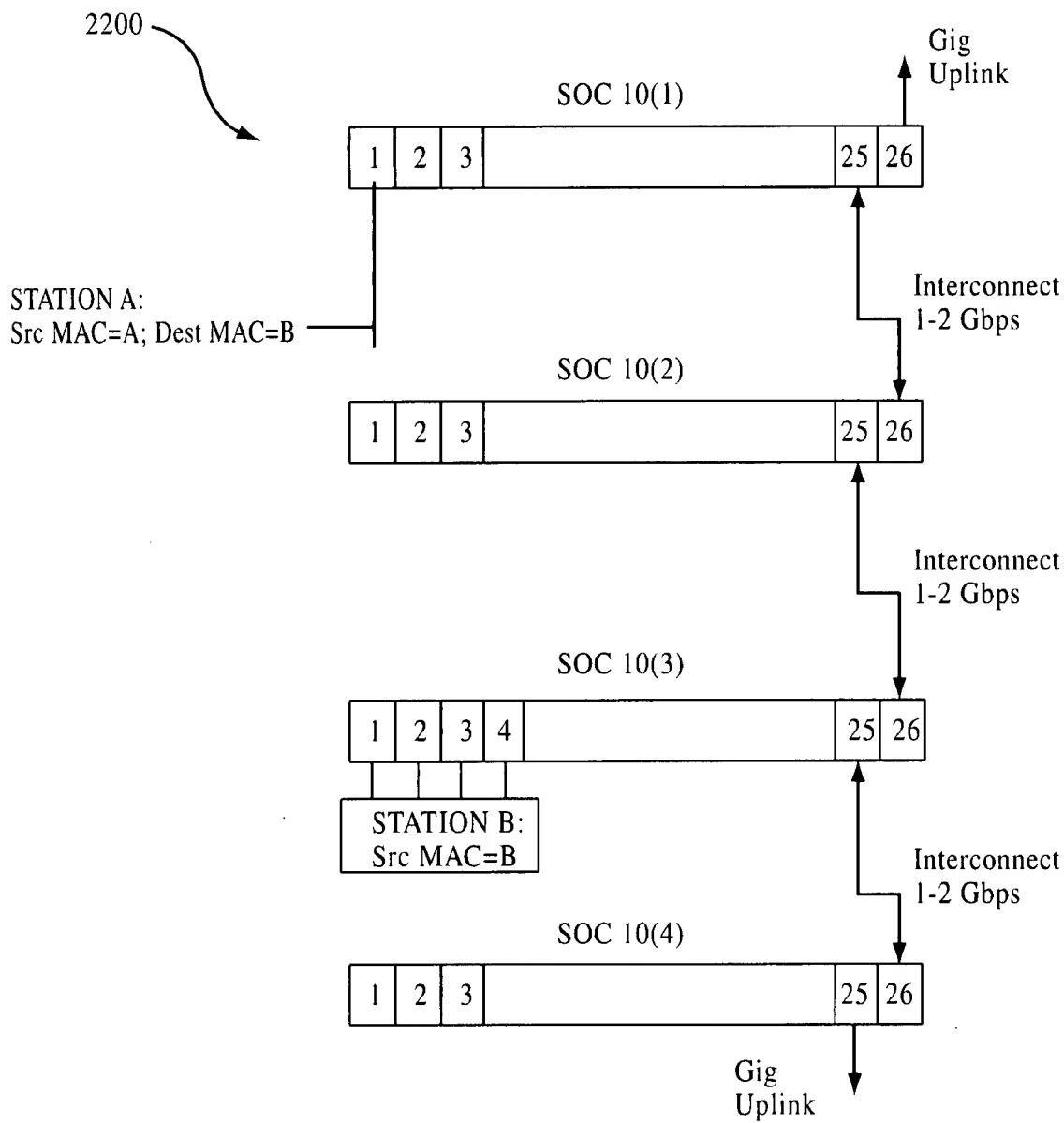


Fig.31



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Fig.32A

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
1	A	1	0	X	X
25	B	1	1	2	2

Fig.32B

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	0	X	X
25	B	1	1	2	2

Fig.32C

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	0	X	X
1	B	1	1	2	2

Fig.32D

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	0	X	X

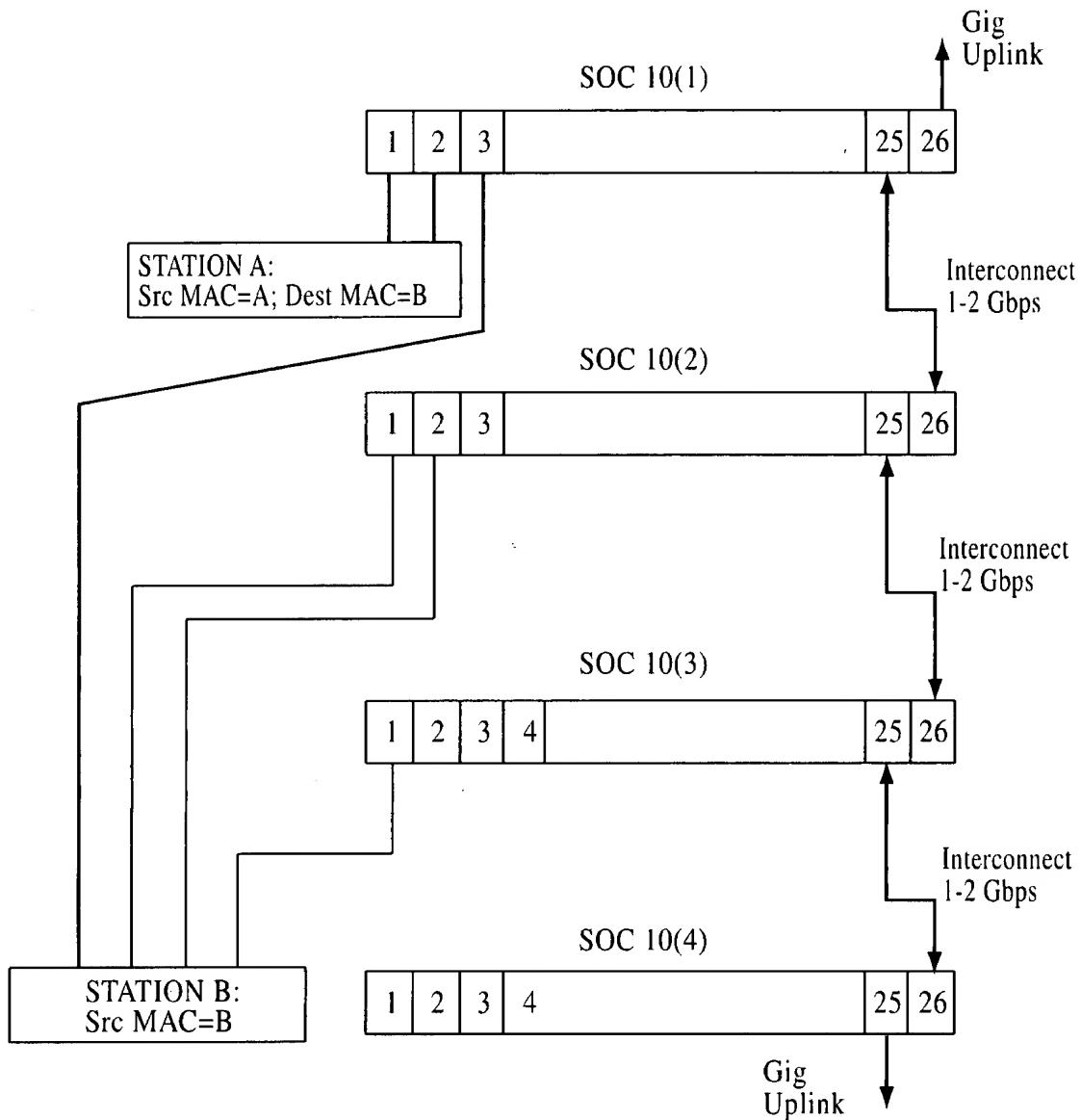


Fig.33



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Fig.34A

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
1	A	1	1	1	1
25	B	1	1	2	2

Fig.34B

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	1	1	1
25	B	1	1	2	2

Fig.34C

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	1	1	1
1	B	1	1	2	2

Fig.34D

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	1	1	1

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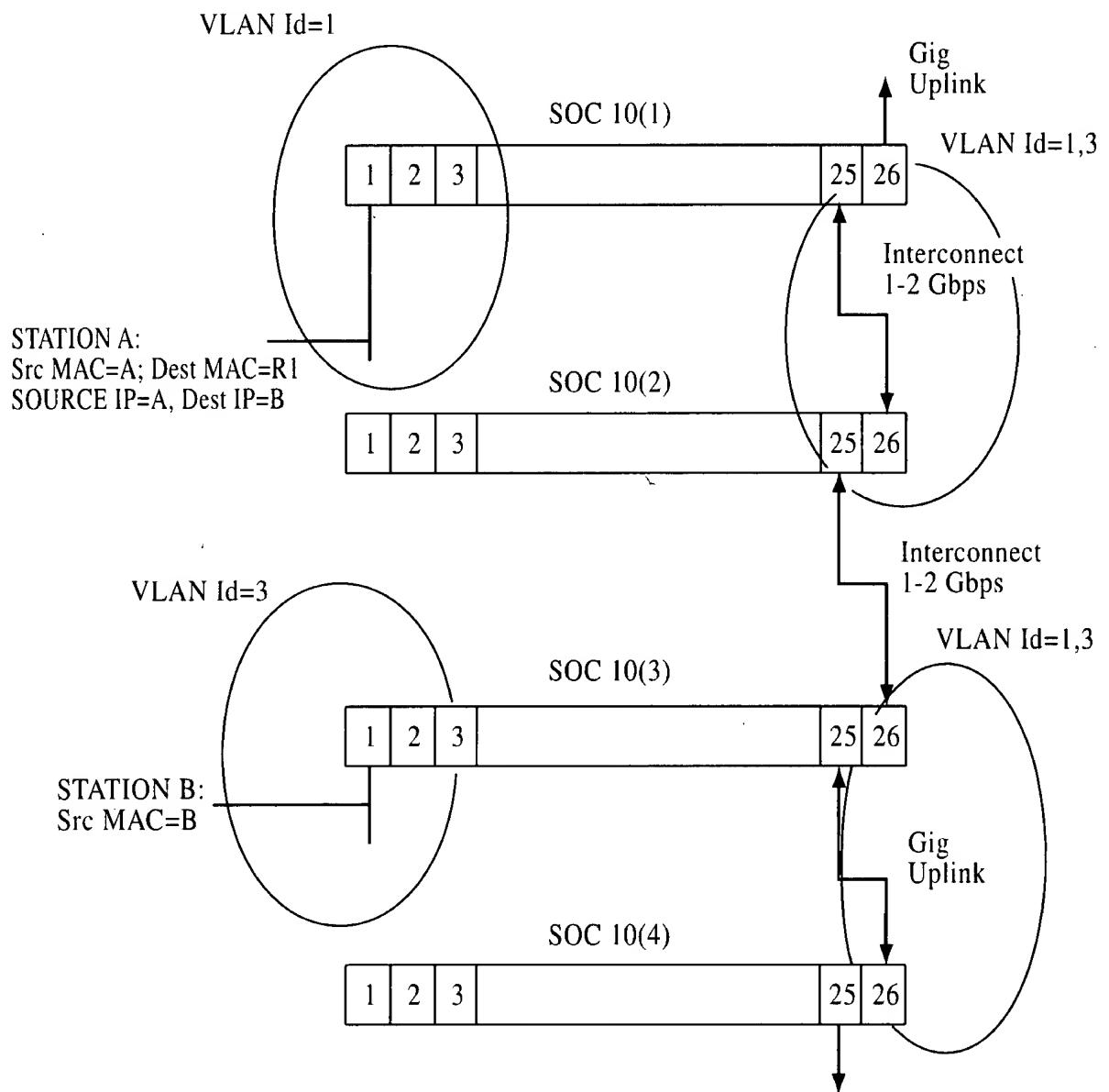


Fig.35



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Trunk Group Table for SW1:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG Size
2	25	25	25	25	X	X	X	X	4

Trunk Group Table for SW2:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG Size
2	25	25	25	25	X	X	X	X	4

Trunk Group Table for SW3:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG Size
2	1	2	3	4	X	X	X	X	4

Trunk Group Table for SW4:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG Size
2	26	26	26	26	X	X	X	X	4

Fig.36



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Trunk Group Table for SW1:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG Size
1	1	2	X	X	X	X	X	X	2
2	25	25	25	3	X	X	X	X	4

Trunk Group Table for SW2:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG Size
1	26	26	X	X	X	X	X	X	2
2	25	1	2	26	X	X	X	X	4

Trunk Group Table for SW3:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG Size
1	26	26	X	X	X	X	X	X	2
2	1	26	26	26	X	X	X	X	4

Trunk Group Table for SW4:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG Size
1	26	26	X	X	X	X	X	X	2
2	26	26	26	26	X	X	X	X	4

Fig.37

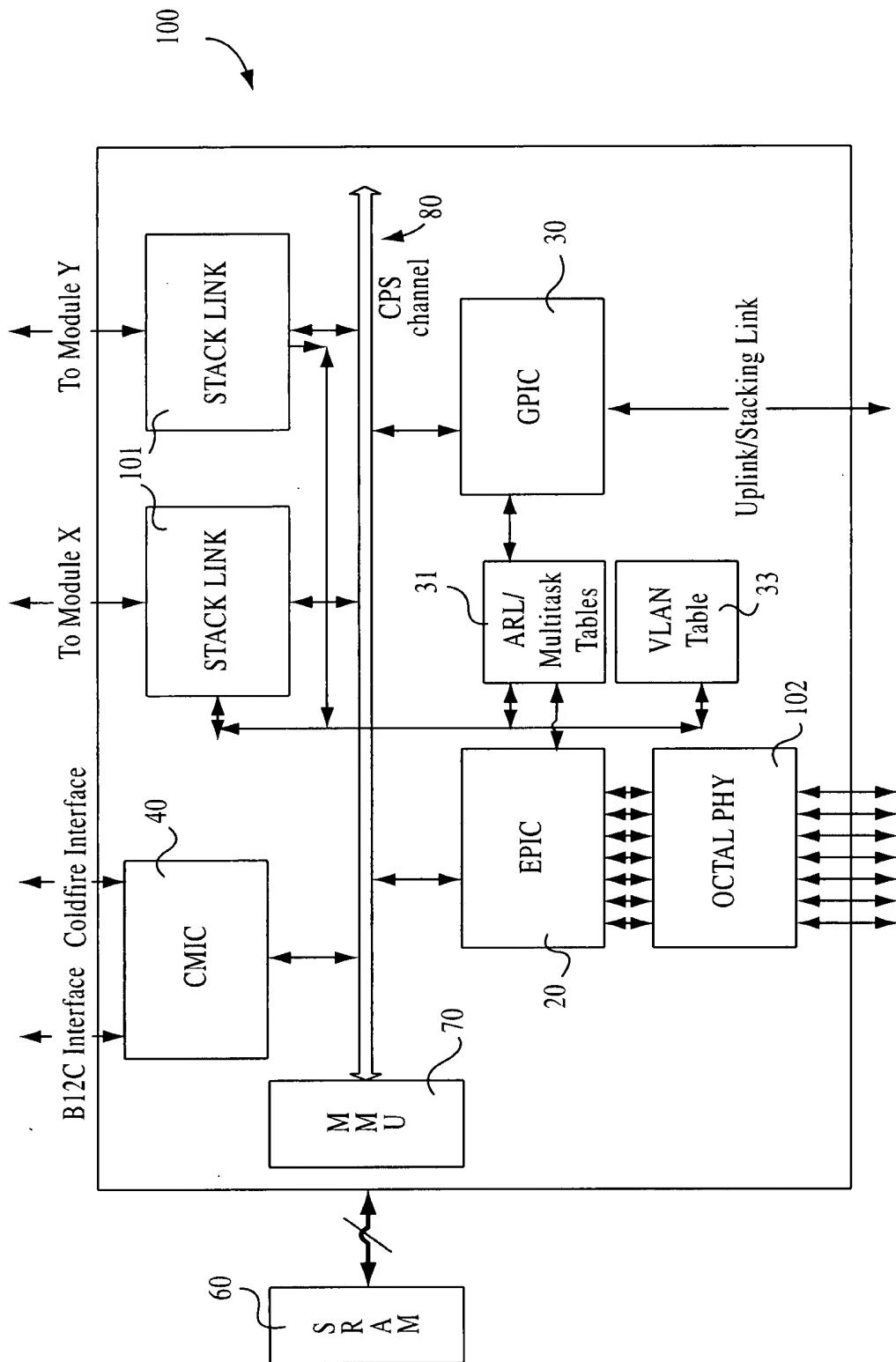


Fig.38

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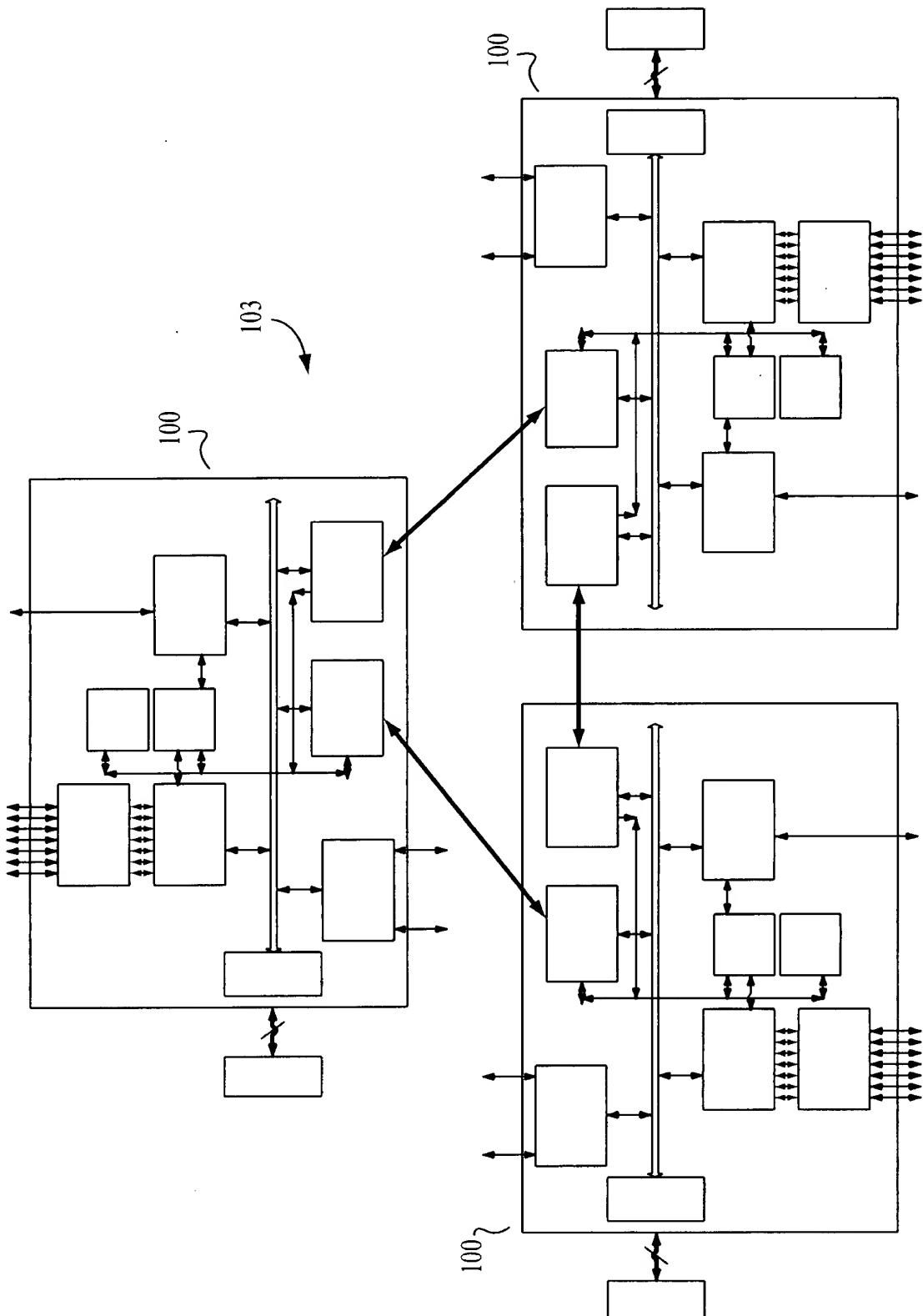


Fig.39



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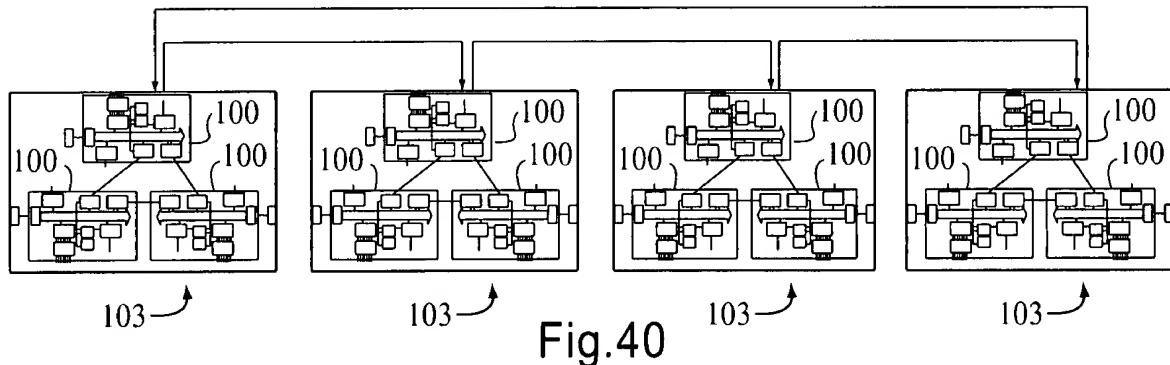


Fig.40

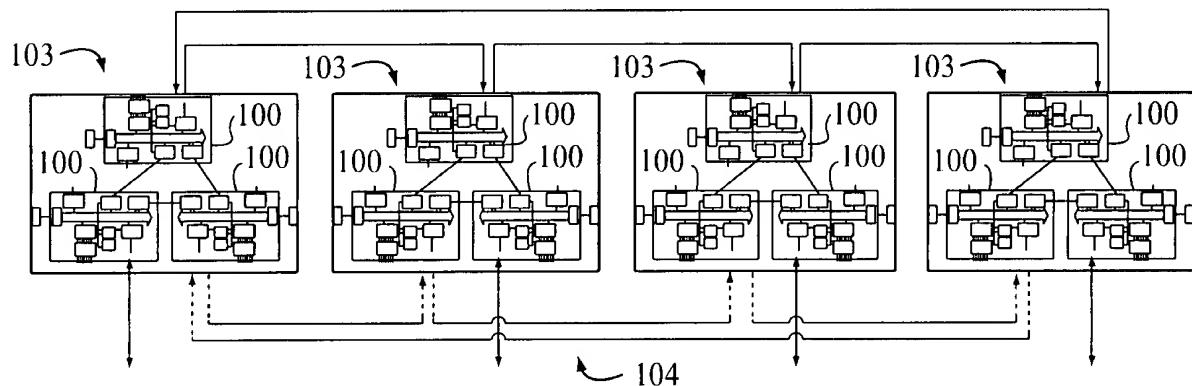


Fig.41

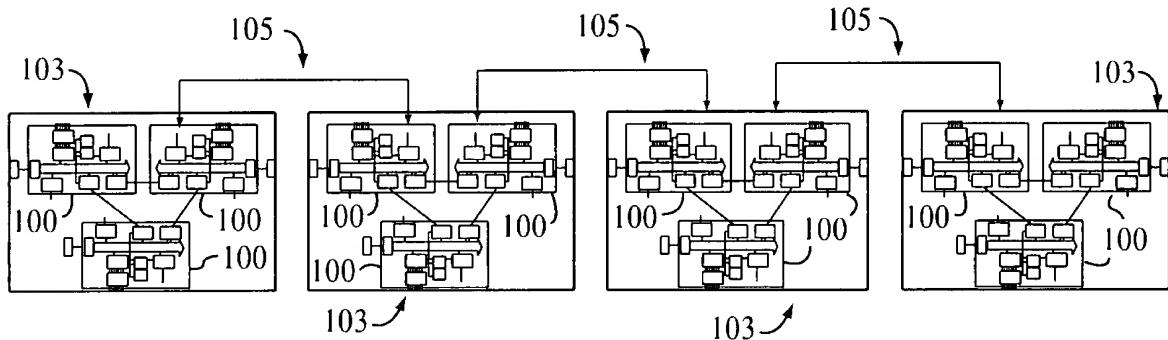


Fig.42

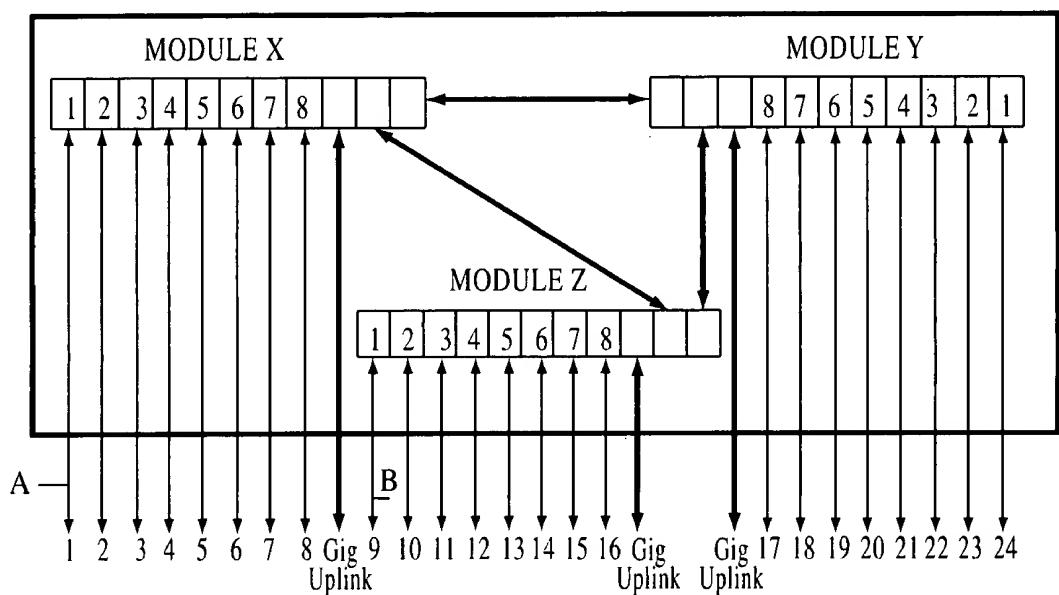


Fig.43

Table for Module X

Port Number	Mac Address	Vlan ID
1	A	1

TABLE A

Table for Module Y

Port Number	Mac Address	Vlan ID
G2	A	1

TABLE B

Table for Z

Port Number	Mac Address	Vlan ID
G2	A	1

TABLE C



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Port Number	Mac Address	Vlan ID
G2	A	1
9	B	1

TABLE A

Port Number	Mac Address	Vlan ID
1	A	1
G2	B	1

TABLE B

Fig.44

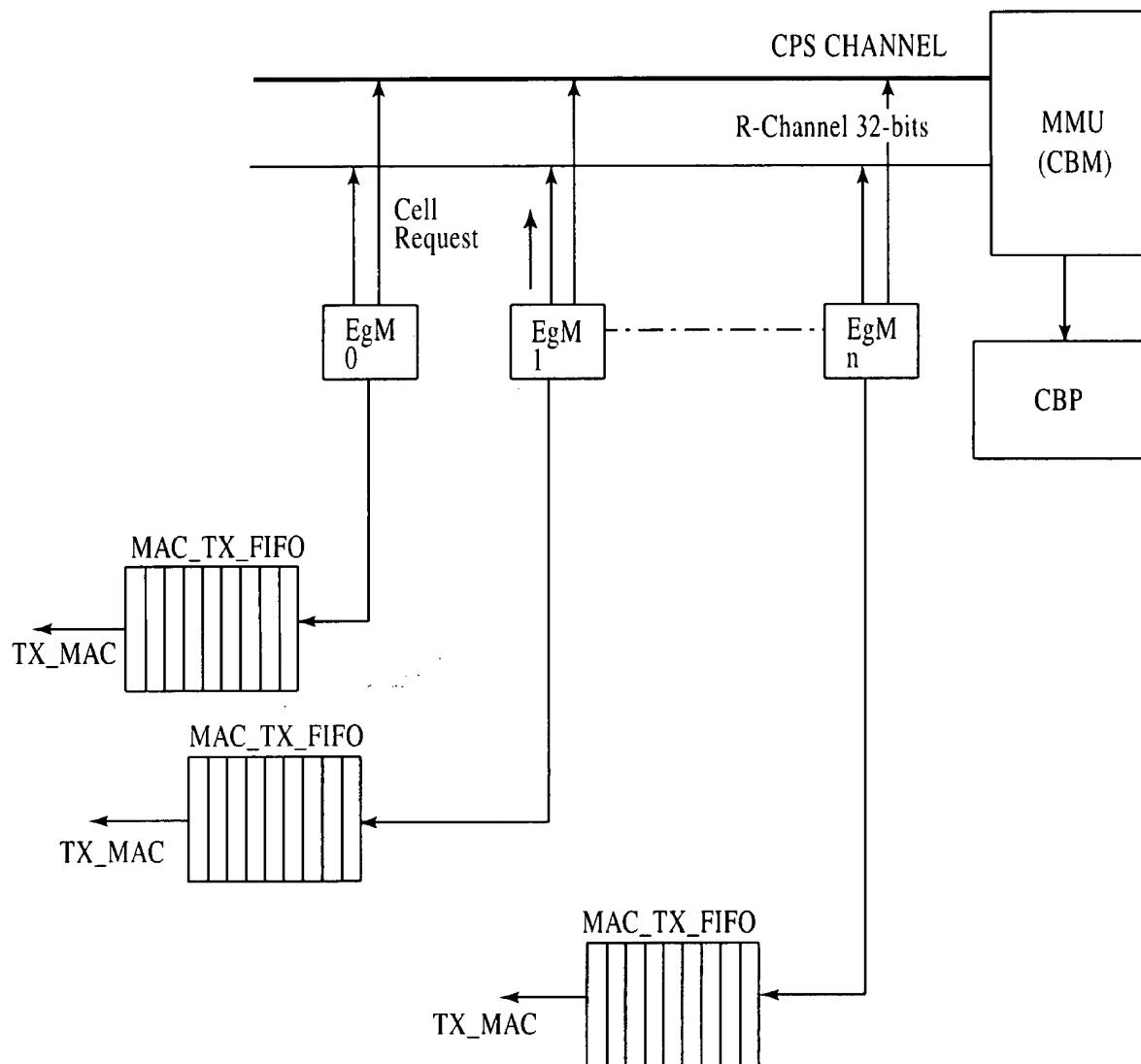


Fig.45